Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

Building Operations Drastically Curtailed

Country-wide reports show a severe reduction in contemplated construction. It is more noticeable this month than any time since the war began. In Philadelphia the returns were the smallest for any November since 1907. In Detroit operations fell below $1,000,000 for the first time in several years. In New York despite the unsatisfactory operations last year—the smallest since 1903—it is probable that 1914 will make a new low record since that year. In Hoboken, N. J.—perhaps more adversely affected by the war than any other American city—the contemplated buildings only amounted to $1650, and in August, $2727. Reports from Milwaukee state that much work is postponed until spring. The loss since the war began has been progressive except where influenced by local conditions in October—for a loss of 4% was reported in the combined return of 52 cities in August; 37% in 55 cities in September; 17% in 58 cities in October, and 29% in 52 cities last month.

In 19 Eastern cities there was a falling off of 33% in November, but for the 11 months the decrease was only 1%.

Cities in the Southern States have had to contend with the lack of funds due to the inability to sell cotton. In seven cities there was a falling off of 52% for the month and 15% for the 11 months.

The Middle West shows a decrease of 15% in 21 cities, but for the period January to December there has been a small gain.

Chicago is the conspicuous example of a large city where a gain is shown. In most of the large cities the falling off has been greater in proportion than in cities of less than half a million population. A comparison with the corresponding month in 1912 would be far more unfavorable, for a slump was well under way this time last year.

On the Pacific coast conditions are not so bad, according to the reports, a loss of 14% being shown in seven cities, but in October there was a loss of more than 20%.

The following table shows the contemplated building operations from plans filed during November. A comparison is made with the corresponding month last year. Figures are also given showing operations proposed in the 11 months of the two years mentioned:

EASTERN STATES

	Month of November 1914	1913	First 11 Months of Year 1914	1913
Albany, N. Y.	$301,578	$277,855	$5,964,278	$8,817,405
Baltimore, Md.	324,950	612,796	11,316,696	8,569,019
Boston, Mass.			17,196,693	16,143,070
Bridgeport, Conn.	364,859	239,852	2,656,295	2,697,341
Buffalo, N. Y.	498,000	580,000	2,789,436	10,824,243
Elizabeth, N. J.	98,388	111,438	1,313,415	2,338,848
Hartford, Conn.	399,385	1,071,045	3,759,876	5,534,356
Hoboken, N. J.	1,650	21,198	767,327	415,140
Jersey City, N. J.	176,804	267,098	3,307,770	5,110,948
Newark, N. J.	373,427	549,371	9,165,777	13,132,145
New Haven, Conn.	315,755	214,475	3,884,872	3,392,931
New York, N. Y.				
Manhattan	1,505,800	3,424,500	44,656,965	58,196,035
Bronx	403,400	314,750	20,045,343	19,043,141
Brooklyn	1,423,840	2,052,575	36,976,690	27,762,716
Queens	1,316,220	1,332,892	17,500,145	15,921,826
Paterson, N. J.	46,961	81,030	1,475,406	1,368,789
Philadelphia, Penn.	1,240,530	2,026,565	33,929,470	38,688,425
Pittsburgh, Penn.	777,368	698,617	14,721,582	14,553,600
Reading, Penn.	20,350	58,650	1,139,175	845,500
Rochester, N. Y.	397,830	649,575	8,369,658	8,908,939
Scranton, Penn.	88,852	156,625	1,640,757	1,279,243
Springfield, Mass.	197,502	951,295	4,707,532	4,807,971
Syracuse, N. Y.	235,365	182,380	2,693,570	4,327,223
Totals	$10,716,814	$15,885,582	$252,978,748	$256,535,78
	Decrease 33%		Decrease 1%	

SOUTHERN STATES

Atlanta, Ga.	$228,104	$278,904	$4,482,628	$4,894,323
Chattanooga, Tenn.	28,258	38,610	1,047,137	998,150
Dallas, Tex.	133,850	876,615	5,133,585	8,2 7,630
Louisville, Ky.	139,900	184,910	4,201,415	3,896,360
Memphis, Tenn.	133,275	211,271	2,894,564	3,979,012
Richmond, Va.	130,638	281,399	3,070,843	2,962,081
Washington, D. C.	419,544	644,033	8,529,744	8,873,556
Totals	$1,213,569	$2,515,742	$29,359,916	$35,924,629
	Decrease 52%		Decrease 15%	

MIDDLE WEST

	Month of November 1914	1913	First 11 Months of Year 1914	1913
Akron, Ohio	$171,585	$173,135	$3,597,580	$4,922,510
Chicago, Ill.	6,513,150	6,490,700	77,048,060	83,234,577
Cincinnati, Ohio	336,210	457,050	8,576,113	7,954,937
Cleveland, Ohio	2,153,645	1,241,640	26,092,185	21,779,380
Columbus, Ohio	377,385	398,720	5,889,861	5,075,808
Denver, Colo.	134,410	155,129	3,136,948	3,737,977
Des Moines, Iowa	93,302	108,990	1,188,550	1,641,159
Detroit, Mich.	962,355	1,665,645	25,602,550	28,392,193
Duluth, Minn.	189,510	215,500	2,798,828	4,013,366
Evansville, Ind.	57,086	103,405	1,270,390	1,715,643
Grand Rapids, Mich.	171,425	275,384	3,496,169	4,017,395
Indianapolis, Ind.	265,190	479,711	7,573,348	8,660,504
Kansas City, Kan.	50,435	62,703	1,039,138	1,074,144
Kansas City, Mo.	341,220	934,672	16,981,370	10,105,498
Milwaukee, Wis.	591,583	1,711,300	9,390,511	12,975,096
Minneapolis, Minn.	703,615	820,990	14,693,125	11,709,290
Omaha, Neb.	133,583	268,590	4,393,981	3,961,258
St. Louis, Mo.	650,029	1,083,643	12,188,618	14,579,779
St. Paul, Minn.	710,697	647,682	13,141,342	8,736,037
Salt Lake City, Utah	107,232	171,800	2,811,796	1,915,985
Toledo, Ohio	276,676	283,555	5,945,237	5,686,971
Totals	$15,124,173	$17,749,944	$246,855,700	$245,889,507
	Decrease 15%		Increase trifling	

PACIFIC COAST

Oakland, Calif.	$281,769	414,226	3,552,828	8,041,222
Portland, Ore.	453,830	608,865	7,732,720	12,331,525
San Diego, Calif.	154,910	263,511	2,728,556	6,732,299
San Francisco, Calif.	988,587	1,142,986	27,459,669	19,079,925
Seattle, Wash.	229,615	387,790	11,357,435	8,771,380
Spokane, Wash.	55,880	77,610	965,347	3,364,583
Tacoma, Wash.	270,655	63,520	2,116,251	2,360,064
Totals	$2,435,246	$2,958,508	$55,912,801	$60,680,998
	Decrease 14%		Decrease 8%	

RELIEF WORK IN PITTSBURGH

The City Council, Pittsburgh, Penn., on Nov. 23, appropriated $80,000 to provide 40,000 days' work at $2 per day, work to be started immediately on two public improvements, the Woodland Avenue Extension and the River View Park Boulevard widening. All police stations in the city have been turned into relief stations, and clearing houses for the collection and distribution of foodstuffs and supplies. Pittsburgh has been more seriously hit by the present hard times than in the panic of 1907. The mills of the Steel Corporation are running about 35% of capacity, and the Jones & Laughlin Co., 24%. Car builders are practically out of work, and more than 2000 miners are unemployed and have been unemployed for several weeks. The police department, besides providing lodging for the homeless men, is furnishing hot coffee and bread at breakfast time each day. Instead of laying off men as is usual at this time of the year in the Park and Sewer Department, the city is adding to the number of employees. The County Commissioners at a meeting last week decided to continue county road work throughout the winter if possible, at least to not stop any job definitely but continue until work is made impossible by the severity of temperature.

The Koehring Machine Co., Milwaukee, Wis., has taken over the Dennis Traction Grader & Loader Co., and will proceed at once to manufacture and place the Dennis traction grader and loader on the market.

Engineering Sales Co., 114 Liberty St., New York, has recently been organized by Edwin H. Johnson and Richard B. Franken. The new company will represent a number of out of town manufacturers interested in sheet-metal work and general wrought-iron work.

CATALOG NOTICES

The Hitchcock Mfg. Co., Tarentum, Penn. Catalog. Turnouts, switches, frogs. Illustrated, 38 pp., 6x9 in.

The Continental Fibre Co., Newark, Del. Catalog. Vulcanized fibre, Bakelite-Dilecto, Continental-Bakelite. 46 pp., 5x8½ in.

The Nell & Smith Electric Tool Co., Cincinnati, O. Catalog No. 4. Portable electric drills, buffers, grinders, screwdrivers, etc. Illustrated, 56 pp., 6x9 in.

The Connersville Blower Co., Connersville, Ind. Catalog. Cycloidal pumps. Illustrated, 48 pp., 9x12 in.

The Watson-Stillman Co., Aldene, N. J. Booklet. Kromax leather packings. Illustrated, 16 pp., 3½x6 in.

RAILWAYS

Pennsylvania—New York, Pittsburgh & Chicago Air Line R.R.—This company plans to build a line through the central part of Pennsylvania. This company is now nominally owned by Edward T. Noble, of Evans, Noble & Evans, Pittsburgh.

West Virginia—Parkersburg & Western R.R.—This company proposes to build a 56-mile line from Charleston to Palestine, W. Va. Bids for construction will be opened about Jan. 1. C. P. Payton is Ch. Engr.

Norfolk & Western Ry.—This company plans to carry on an extension of the Alma branch, 2.56 miles in West Virginia and the construction of a branch up Jacobs Fork and Cucumber Creek, 5.3 miles.

Texas—Cheyenne Short Line—Press reports state that this road will be extended to Panhandle, Tex.

New Brunswick—Moncton & Buctouche R.R.—Surveys are being made by this company for the purpose of extending its line from Buctouche to Loggieville, about 65 miles.

ELECTRIC RAILWAYS

Milford, Mass.—The Milford & Uxbridge St. Ry. plans to extend its lines to Purchase.

Southbridge, Mass.—The Worcester Consolidated Ry. Co. has been asked to consider plans for extending its Sandersdale line to Southbridge.

Lockport, N. Y.—The Niagara River & Eastern Ry. Co. has made application to the Public Service Commission of New York for permission to construct an electric railroad between Niagara Falls and Lockport, where it is proposed to connect with the buffalo, Lockport & Rochester Ry. Charles Hickey is Pres.

Philadelphia, Penn.—The Philadelphia & West Chester Traction Co. is considering plans for constructing a line for East Lansdowne and Lansdowne. It will extend from the terminal at 69th St., then through private right-of-way to Church Lane and Pembroke Ave., East Lansdowne, and then to Stewart Ave. and Lansdowne Ave., making the terminus at Lansdowne and Baltimore Ave., Lansdowne.

Frederick, Md.—The Hagerstown & Frederick Ry. plans to build an electric line to Williamsport, with the possibility of outlets from Williamsport and an extension across the Potomac River into Berkeley County, W. Va.

Shreveport, La.—The Texas-Louisiana Traction Co. is having surveys made on the section of its line between Shreveport and Marshall. The contract for the construction of this line between Shreveport and Monroe has been awarded. This railway will run through Jefferson and Greenville and will connect with the electric line from Dallas. Ultimately this line will connect Shreveport, La., and Jefferson and Longview, Tex., via Mansfield, Vivian, Blanchard, Oil City, Mooringsport, Greenville, Monroe and Marshall. A. B. Blevins, Jefferson, is Pres.

Middletown, Ky.—The Middletown & Chester Ry. plans to build its electric line between Middletown and Chester. Richard H. Brunce and Gustaf B. Carlson are interested. This railway will be an extension of the Shore Line Electric Ry. and a separate company has been organized to obtain the charter for this line, which will be known as the Middletown & Chester Ry.

Cleveland, Ohio—The Cleveland & Youngstown Ry. has been granted a franchise by the City Council of Cleveland to make certain grade changes.

Chicago, Ill.—The Southern Illinois Ry. & Power Co. will soon start construction on its line between Herrin, West Frankfort, Johnson City and Benton in Illinois.

Coffeyville, Kan.—The Union Traction Co. will consider constructing a 25-mile line from Coffeyville to Centralia.

Bryan, Tex.—The Bryan & Central Texas Interurban Ry. Co. is considering plans to build a line from Bryan to Navasota, Tex.

Houston, Tex.—The Houston Electric Ry. Co., has been asked to consider plans for extending its line one mile from Whitman St., north on Clark St. to Dudley St. A. T. Kunz is Pur. Agt.

Port Arthur, Tex.—The Port Arthur Traction Co. has applied to the City Council for a franchise for the extension of its line from Proctor St. to Pleasure Pier.

San Antonio, Tex.—The City Council has granted a franchise to the San Antonio Traction Co., to extend its line on West Commerce St., from Main Plaza to San Saba St., also to remove one of its tracks on Dolorosa St.

Walla Walla, Wash.—Plans are being prepared by C. J. Franklin, Engr., Boise, Idaho, for the construction of 75 miles of electric railway from Walla Walla to La Grande. The estimated cost is $2,000,000. J. G. Brown, Galion, Ohio, and E. A. Pack, Weiser, Idaho, are interested.

Ukiah, Calif.—Plans are being considered to build an electric railway from Ukiah to Lake County via Potter Valley. E. Jones, J. G. Newman and Albert Clapp are interested.

LIGHT, HEAT AND POWER

Burlington, Vt.—The citizens have voted in favor of a bond issue of $50,000 to provide for improving and extending the municipal electric light system. W. S. Vincent is Chn. of Comrs. of the Electric Light Dept.

Torrington, Conn.—The Torrington Electric Light Co. has had plans prepared by E. H. Waterbury for an addition to the power house of the company. The building will be of brick, one story, 16x42 ft. The plans include the erection of a steel stack and the installation of two boilers.

Winsted, Conn.—Plans are being prepared by Edwin H. Waterbury, Torrington, Conn., for the construction of an addition to the power house of the Winsted Gas Co. It will be one story, 20x64 ft., of brick, with concrete roof on steel trusses.

★**Albany, N. Y.**—(Official)—Bids will be received until 2 p.m. Dec. 29, by the Trustees of Public Buildings, Capitol, Albany, for electric wiring for book stacks and reflectors for the New York State Education Building, Albany. Lewis F. Pilcher is State Arch. For further details, see advertisement under "Contracts To Be Let."

✚The Delaware & Hudson Co. has awarded the contract for the construction of a transformer station at Cheridan and Chapel St., Albany, to the HUNKIN-CONKEY CONSTRUCTION CO., at approximately $160,000. This new station will be used to transform the power from the Spier Falls plant for the local trolley lines.

South Orange, N. J.—The Board of Trustees has had estimates prepared by John J. Boyd, Engr., for constructing and operating a municipal electric light plant in conjunction with the water-works system. The estimates include: Power plant equipment, $12,500; conduits and manholes, $38,000; cables and wires, $14,250; lamps, brackets, etc., $5250.

Freemansburg, Penn.—The Borough Council has granted a franchise to the Freemansburg Electric Light & Power Co. to supply electricity for light, heat and power in Freemansburg and vicinity. It has also awarded a contract to the company to light the streets of the borough for a period of five years. A. H. S. Cantlin is Pres. and Gen. Mgr. of the company.

Paoli, Penn.—The Pennsylvania R.R. is having plans prepared by William H. Cookman, Broad St. Station, Philadelphia, for the construction of a one-story brick and concrete power house at Paoli.

Clarksville, Va.—Bids will soon be received by J. W. Maxey, Town Clk., for the installation of a municipal power plant and lighting system. Bonds for $6000 have been voted for the purpose. George W. Rappleyea is Engr. Noted Aug. 27.

Huntington, W. Va.—The City Commission is considering the installation of a power station in the basement of the municipal building to furnish light for the city hall and fire station, and power for the fire-alarm and police-call systems. A. B. Maupin is City Engr.

Tarpon Springs, Fla.—It is reported that the Pinellas Electric Light & Power Co. has applied to the City Council for a franchise to furnish electric light and power.

Cleveland, Ohio—Bids will be received until noon, Dec. 18, by the Commissioner of Purchases and Supplies, Room 518, City Hall, for furnishing transformers for the electric-light department. F. W. Ballard is Comr. of Heat & Light Dept.

West Liberty, Ohio—The Public Utilities Commission has granted permission to the West Liberty Light & Power Co. to issue $10,000 in bonds, of which $7500 will be used to purchase the local electric light plant of C. A. Hartzler, and the remainder for improving and extending the system.

Jeffersonville, Ind.—The Indiana State Reformatory, Jeffersonville, is asking for an appropriation of $16,000 to be used for installing two additional boilers in the power plant of the institution. D. C. Peyton is Supt.

River Rouge, Mich.—Press reports state that the Detroit Gas Co. plans to build the first unit of a gas plant in River Rouge, to cost about $1,500,000. It is said that eventually the plant will cover about 80 acres of ground, and will represent an investment of between $7,000,000 and $8,000,000. V. L. Dewey, Detroit, is Pres. of the company.

Blackcreek, Wis.—At a recent election, the citizens voted in favor of issuing $7000 in bonds, to be used for the installation of a municipal electric light plant.

Manitowoc, Wis.—It is reported that the C. Reiss Coal Co., Manitowoc, has purchased the franchise of the West Side Electric Co., which furnishes electrical service to the west side of the city, and will establish a power plant on its docks.

Oshkosh, Wis.—The Board of Education has commissioned Henry Auber to prepare plans for the new central plant to provide light, heat and power for the Central High School and annex, and the Beach Manual Training Institute. D. Witzel is City Clk.

Mondak, Mont.—A company has been organized for the purpose of establishing an electric light plant in Mondak. Ground has been broken for the construction of the power house.

St. Louis, Mo.—The Laclede Gas Light Co. has taken out a permit for the construction of a power house, estimated to cost $20,000.

✚**Tipton, Mo.**—The contract for the installation of the heating plant in the new industrial home for colored girls at Tipton has been awarded to the JEFFERSON HEATING CO., Jefferson City, at about $7000.

Dallas, Tex.—The City Commission is receiving bids for lighting the streets of the city for a period of three years. The contract amounts to about $200,000. J. B. Winslett is City Clk.

El Campo, Tex.—Press reports state that the Cities Service Co., controlled by Henry L. Doherty & Co., 60 Wall St., New York, N. Y., will acquire the El Campo Water & Light Co., and will spend about $50,000 in improvements to include street-lighting system, increase of facilities at the power plant, and two miles of water mains.

Yorktown, Tex.—E. A. Clousnitzer, owner of the Yorktown Light & Ice Co., has sold the plant to the Texas Southern Electric Co., Victoria, Tex., which will improve the power plant and lighting system. W. B. Du Pre, Victoria, is Mgr. of the Texas Southern Co.

Lebanon, Wash.—Scroggin & Washburn, Lebanon, have applied to the City Council for a franchise to establish and operate an electric power plant in Lebanon. If the franchise is granted, the firm will begin at once to equip a generating and distributing system.

Riverside, Wash.—J. K. Norris, of the Riverside Box & Lumber Co., has made application to the City Council for a franchise to construct and operate an electric light plant in Riverside.

Seattle, Wash.—J. D. Ross, Ch. Engr. of the municipal power plant, has recommended the installation of an addi-

tional unit at the Cedar Falls power plant, to cost about $500,000. The plans provide for a third power water main from the new masonry dam and power plant at Cedar Falls, a new building and equipment to increase the capacity of the Cedar River system by 10,000 kw.

Helix, Ore.—A syndicate, headed by the Freuler & Dyer Engineering Co., Walla Walla, Wash., will establish an electric light plant in Helix. The initial unit will consist of a 22-hp. crude oil engine to drive a 20-hp. generator. The plant will be so constructed that additional units may be installed.

Santa Maria, Calif.—The Santa Maria Gas & Power Co. will extend its gas-distributing system from Arroyo Grande to San Luis Obispo, a distance of ten miles.

Newmarket, N. B.—An election will be held, Jan. 4, for the purpose of voting on the question of issuing $15,000 in bonds, to be used for the construction of a new substation.

Shawinigan Falls, Que.—The Shawinigan Water & Power Co., 607 Power Bldg., Montreal, Que., has had plans prepared for the construction of a transmission line extending from Shawinigan Falls to the city of Quebec. Julian C. Smith, Montreal, is Gen. Supt. and Ch. Engr.

Delaware, Ont.—The Village Council is considering the construction of a municipal electric power plant to supply energy for light, heat and power.

Dresden, Ont.—(Official)—No bids will be asked for the construction of the new municipal hydro-electric lighting system, as the work is being done by local forces. J. T. Bridgewater is Town Clk. Noted July 30 and Nov. 26.

Mount Brydges, Ont.—At an election on Nov. 23, the citizens passed a bylaw for securing electricity for general purposes from the Hydro-Electric Power Commission.

Shelburne, Ont.—The rate-payers have approved a bylaw providing for securing energy from the Hydro-Electric Power Commission of Ontario.

Toronto, Ont.—Bids will be received until Dec. 11, by the Toronto Board of Education, for power equipment for the new Central Technical School, including steam engines, generators, switchboard, steam-piping and electrical connections. The Canadian Domestic Engineering Co., Ltd., 47-51 King St., West, Toronto, is Engr. in Charge.

Regina, Sask.—It is reported that **the City** Council plans to purchase, early next year, a quantity of new equipment for the municipal power plant. E. W. Hull is Mgr. of the plant.

BRIDGES

Concord, N. H.—(Official)—Bids will be received until 5 p.m., Dec. 15, by W. B. Howe, City Engr., for the construction of a 470-ft. bridge over the Merrimack River. Noted Nov. 19 and Dec. 3.

Lawrence, Mass.—The Massachusetts Harbor and Lands Commission has approved the plans for the Central Bridge over the Merrimack River at Lawrence, and construction work will be started at once. The contract for this bridge was awarded last May to Ryan & Keon, Boston, at about $322,000. Noted May 7 and May 28.

Hartford, Conn.—Bids were received Nov. 30, by Charles J. Bennett, State Highway Comr., for bridge construction as follows: Old Lyme Township, removing an old bridge to new location, constructing wing walls, abutments and approaches and painting the bridge, Connecticut Good Roads & Construction Co., New Britain, $12,330; D. F. Toomey, South Norwalk, $7842; Daly & Merritt, Portchester, N. Y., $12,873; Jobson-Gifford Co., 30 East 42d St., New York, N. Y., $11,147; New England Contracting Co., Worcester, Mass., $10,678; B. D. Pierce, Jr., Co., Bridgeport, $12,017. Noted Nov. 19.

For the construction of a 30-ft. I-beam bridge in Stonington Township, bids were received from: Daly & Merritt, $7581; C. W. Blakeslee & Sons, New Haven, $5669; Edmund P. Wall, Torrington, $7608; William J. Mertz, Portchester, N. Y., $6060; Louis Longhi & Bro., Torrington, $5881; C. W. Tryon, Meriden, $6994; Kellogg & Gregory Co., Danbury, $6795; Connecticut Good Roads & Construction Co., $6929; B. D. Pierce, Jr., Co., $8121; O'Brien Construction Co., Grand Central Terminal, New York, N. Y., $6314.

Paterson, N. J.—The Board of Chosen Freeholders of Passaic County will build a new bridge over the Passaic River to Totowa, provided the city will construct the approaches. Colin R. Wise is City Engr.

Trenton, N. J.—The Pennsylvania R.R. has submitted plans to the City Engineer for new lift bridges to replace its present structures over the canal at Hamilton and Greenwood Aves. Frank Thompson is City Clk.

Mauch Chunk, Penn.—The Board of Commissioners of Carbon County is having plans prepared by William Tombler, County Engr., for the construction of a reinforced concrete bridge.

★**Pittsburgh, Penn.**—(Official)—Bids will be received until 10 a.m., Dec. 21, by the Department of Public Works for the construction of the steel superstructure of the Sylvan Ave. Bridge. Joseph G. Armstrong is Mayor. Robert Swan is Dir. Dept. of Pub. Wks.

✚**Pittsburgh, Penn.**—(Official)—The Commissioners of Allegheny County have awarded the contract for the construction of Bridge No. 19, over Pine Creek, Shaler Township, to the PITT CONSTRUCTION CO., Fulton Bldg., Pittsburgh, at $18,100. Noted Nov. 26.

Bradentown, Fla.—(Official)—Bids will be received until 7 p.m., Dec. 11, by W. H. Tracy, Comr. of Public Works, for the construction of a Scherzer rolling lift bridge.

Jacksonville, Fla.—Bids will be received until Dec. 14, by the Committee on Public Works of the Board of Bond Trustees for the construction of a reinforced concrete bridge over Hogans Creek on Union St. The cost must not exceed $4000. S. C. Harrison, Jr., is Chn. of the Com.

Birmingham, Ala.—The Jefferson County Board of Revenue has instructed the Highway Engineer to locate a bridge over the Cahaba River on the proposed road from Irondale to Leeds. J. W. Gwin is Highway Engr.

Eufaula, Ala.—The Board of Revenue of Barbour County, Clayton, plans to build a reinforced concrete bridge over Barbour Creek on the National Highway, about two miles from Eufaula. The estimated cost is $6000, of which half will be paid by the county, and the other half by state aid.

★✚**Crowley, La.**—(Official)—The Police Jury of Acadia Parish has awarded the contract for the construction of two steel bridges, with concrete abutments, timber and earth approaches, to C. S. JACKSON & CO., LTD., New Iberia, La., at $15,575. Other bidders were: Austin Bros., Dallas, Tex., $21,500; Blodgett Construction Co., Galveston, Tex., $19,912; Vincennes Bridge Co., Vincennes, Ind., $12,888, for bridge work only, no earthwork; Perry & Bownes, Mobile, Ala., $24,000; Emply Construction Co., Hattiesburg, Miss., $22,497. Noted Nov. 5.

Lake Charles, La.—The Police Jury of Calcasieu Parish has authorized an issue of $300,000 in bonds for the purpose of building a bridge over the Calcasieu River at this point, and repairing sections of the public highway. Plans are being prepared for a bridge to cost approximately $200,000. E. C. House is Clk. of the Police Jury. Noted Oct. 15.

New Orleans, La.—The Louisiana Motor League and the engineers of Orleans and St. Tammany Parishes are considering the construction of steel bridges, to cost about $65,000, across the Chef Menteur and Rigolets Bayou, as a part of the coastal highway from New Orleans to Pass Christian and other gulf coast resorts. An amendment has recently been passed, appropriating the money paid for automobile licenses to the state road fund for building and maintenance.

Knoxville, Tenn.—John W. Flenniken, Comr., has recommended to the Board of City Commissioners the construction of a reinforced concrete viaduct on Gay St. over the tracks of the Southern Ry. to replace the present steel and wood structure. If the bridge is built, the expense will be divided among the city, the Southern Ry. and the Knoxville Ry. & Light Co.; the tracks of the latter are on the bridge.

Akron, Ohio—C. P. Parker, Dir. of Pub. Ser., has approved plans for a bridge over Furnace St. to be built jointly by the Baltimore & Ohio R.R. Co. and the city. The estimated cost is $10,000. J. A. Gehres is City Engr.

Cincinnati, Ohio—(Official)—Preliminary plans have been submitted to the City Council for the proposed reinforced concrete ornamental bridge over Kemper Lane, at the Parker Ave. entrance to Eden Park. The bridge will have a span of about 180 ft., with a 40-ft. roadway and two 12½-ft. sidewalks. The estimated cost, including street improvements, is $165,000. It is hoped that an appropriation will be made, so that the work can be advertised next spring. F. S. Krug is Ch. Engr. of the Dept. of Pub. Ser., Frank L. Raschig is Prin. Asst. Engr. of the Div. of Structures. Noted Nov. 26.

Columbus, Ohio—(Official)—Bids will be received until noon, Dec. 26, by the Board of Commissioners of Franklin County for constructing the approaches to the Williams Bridge in Perry, Norwich and Franklin Townships. John Scott is Clk. of the Bd.

(Official)—The Commissioners of Franklin County have awarded contracts for bridge work under Engineer's Estimates 146 and 149, to H. E. BARTHMAN, Columbus, and W. O. JEWETT, Worthington, Ohio, respectively. Noted Nov. 12.

Fremont, Ohio—Revised plans have been prepared for the Tindall Bridge over the Sandusky River, Ballville Township, and bids for its construction will soon be asked. The bridge will be about 335 ft. long. William F. Schepflin is County Engr. Noted Aug. 27 and Oct. 1.

✚**Hamilton, Ohio**—The Board of Commissioners of Butler County has awarded the contract for the construction of a reinforced concrete bridge over the Miami River at Woodsdale to A. J. YAWGER & CO., Indianapolis, Ind., at $84,460. List of bidders noted Aug. 13.

Toledo, Ohio—The Public Improvements Committee of the City Council is considering the construction of a creosoted block floor on the Fassett St. Bridge. The estimated cost of the work is approximately $35,000. Herbert McKechnie is City Engr.

Greensburg, Ind.—(Official)—Bids will be received until 1 p.m., Dec. 14, by the Board of Commissioners of Decatur County for the construction of three bridges in Sandcreek Township, and one each in Jackson, Marion and Saltcreek Townships. Linton W. Sands is County Audr.

✚**Lansing, Mich.**—(Official)—The State Highway Commission has awarded the contract for a 130-ft. steel bridge over the Tittabawassee River, Jerome Township, Midland County, to the CENTRAL STATES BRIDGE CO., Indianapolis, Ind., at $2.60 per 100 lb. for the steel, f.o.b. Sanford, Mich., and $785 for erection and painting. Noted Nov. 12.

Alton, Ill.—(Official)—At a special election held Nov. 28, the bond issues of $55,000 for the construction of a viaduct over Seventh St., and $15,000 to build a fire station in Upper Alton were defeated. B. R. Kennedy is City Clk. Noted Nov. 19.

Danville, Ill.—(Official)—Bids will be received until 7:30 p.m., Dec. 15, by the City Council for the construction of a reinforced concrete bridge over the North Fork of the Vermillion River at Bridge St. The structure will be about 800 ft. long and 40 ft. wide. Bonds to the amount of $80,000 were voted at the November election for the building of this bridge. W. H. Martin is City Engr. Noted Sept. 24, Oct. 8, and Nov. 12.

✚**Jacksonville, Ill.**—The Directors of Road District No. 6, Morgan County, have awarded the contract for the construction of a steel bridge with concrete foundations on the road leading to the County Home, to the ILLINOIS STEEL BRIDGE CO.

Appleton, Wis.—Press reports state that the Chicago & Northwestern Ry. plans to build a new railway bridge over the Fox River at a point just east of the John St. Bridge. It is designed to take the place of the present bridge east of the Lawe St. Bridge. W. H. Finley, Chicago, Ill., is Ch. Engr.

Madison, Wis.—The City Council has decided to build a new bridge over the Yahara River at Rutledge St. It will cost about $8000. E. E. Parker is City Engr.

Mosinee, Wis.—(Official)—Plans are being prepared by M. W. Torkelson, State Bridge Engr., Madison, Wis., for the construction of a reinforced-concrete bridge over the Wisconsin River at Mosinee. The State Highway Commission will pay a part of the cost, which will be about $25,000. Noted Nov. 26.

Ottawa, Kan.—The Board of Commissioners of Franklin County has rejected all bids received for the construction of a 200-ft. bridge over the Marais des Cygnes River near Richter, and new bids will be received until Dec. 19. George Campbell, of the Decatur Bridge Co., Decatur, Ill., will revise and prepare plans for the bridge. Noted Nov. 12.

✚**Mitchell, S. D.**—(Official)—The Commissioners of Davison County have awarded the contract for all county bridge work during 1915 to the PIONEER BRIDGE CO., Mitchell. Noted Nov. 12.

Kansas City, Mo.—Hedrick & Cochrane, Consult. Engrs., Kansas City, have completed plans for a new bridge over the Missouri River, about 2.7 miles below the Milwaukee Bridge near Randolph, Mo. It is expected that work will be begun in the early spring as soon as the War Department has approved of the plans. The bridge will be 2436 ft. long with a 900-ft. approach on the south side of the river. It is possible that the Rock Island, Wabash, Milwaukee and Burlington railways will use this bridge to reach the new Union Station. It will have a double track with highways outside of the tracks. There will be a swing span to permit navigation. The estimated cost is $1,500,000.

★**Marion, Ark.**—(Official)—The construction of a 2½-mile viaduct, bids for which were advertised for Dec. 1, has been indefinitely postponed, pending the decision of the Superior Court regarding the validity of the act creating the improvement district. H. W. Hesterly is Engr. in Charge. Noted Nov. 19.

Dallas, Tex.—Bids for the construction of a reinforced concrete bridge over Turtle Creek at Bowen St. were received on Nov. 25, by the Board of City Commissioners from: The Trinity Construction Co., $12,795; Thomas & Lindsay, $12,935, and R. J. Estep & Co., $12,750. The bids were referred to S. B. Scott, Street Comr. Noted Oct. 15 and Dec. 3.

✚The City Commission has awarded the contract for constructing the Bowen Ave. Bridge to R. J. ESTEP & CO.

✚**San Antonio, Tex.**—The Commissioners' Court of Bexar County has awarded the contract for the construction of seven reinforced-concrete bridges in the county to the TOPEKA BRIDGE & IRON CO., Kan., at $19,785.

Chandler, Okla.—(Official)—No bids were received Nov. 24 by the Commissioners of Lincoln County, for the construction of a steel bridge over the main ditch of Deep Fork Drainage District No. 1. R. P. Roope is County Clk. Noted Nov. 19.

Bellingham, Wash.—The City Council is considering the recent report of Charles A. Lindberg, City Engr., who estimates the cost of rebuilding with concrete, the bridges at Grant, Sylvan, Prospect, James and Elk St., at $100,000. If rebuilt of wood with asphalt roadway, the cost would be about $30,000.

Seattle, Wash.—Plans have been completed by A. H. Dimock, City Engr., for the double-leaf bascule bridge over Lake Washington Canal at 15th Ave., N. W. It will have a span of 400 ft., with one approach of 1800 ft. and the other of 1200 ft. The bridge will be 40 ft. wide. Three contracts will be awarded; one for the approaches, one for the concrete piers, and the third for the steel span and lift. The estimated total cost is $450,000. Noted Oct. 8 and Dec. 3.

Eugene, Ore.—According to press reports, the Commissioners of Lane County are considering the construction of a steel bridge about 250 ft. long, to replace the present wood structure of the Coast Fork Bridge on the Pleasant Hill Road. R. J. Hemphill is a member of the Bd. of Comrs.

Fresno, Calif.—The City Trustees will shortly ask bids for the construction of a reinforced concrete bridge over Dry Creek at Van Ness Ave., to cost about $5000. W. H. Ryan is City Clk.

Modesto, Calif.—(Official)—Bids will be received until 11 a.m., Dec. 15, by the Board of Supervisors of Stanislaus County for the construction of three bridges, one over the main canal of Turlock Irrigation District, over Lateral No. 2 of the same district, and one over Dry Creek about one mile east of Montpellier, and a siphon on the Keyes road.

Sanger, Calif.—(Official)—Bids will be received until 2 p.m., Dec. 18, by the Board of Supervisors of Fresno County, Fresno, for the construction of a reinforced concrete through-girder bridge across Kings River near Sanger. The bridge will be about 400 ft. long and 23 ft. wide. D. M. Barnwell, Fresno, is County Clk. Noted Dec. 3.

St. Johns, Que.—Bids for the steel work on a $175,000 bridge between St. Johns and Iberville will shortly be asked by the general contractors, Laurin & Leitch, 5 Beaver Hall Sq., Montreal. The bridge is being built by the Public Works Department of the Provincial Government. Baulue Mercier, 137 McGill St., Montreal, is Engr. in Charge.

Hamilton, Ont.—A committee composed of representatives of the city, county and the Board of Trade, is considering two sets of plans prepared by the Hamilton Bridge Works Co. for a bridge in connection with the Toronto-Hamilton highway. The Committee has also authorized the Canada Cement Co. to prepare plans for a concrete bridge. Noted Oct. 8.

Lac du Bonnet, Man.—Press reports state the Fire, Light & Water Department of the Board of Control, Winnipeg, is considering the construction of a steel bridge across the Winnipeg River at Lac du Bonnet. W. P. Brereton, 223 James Ave., Winnipeg, is Engr.

Winnipeg, Man.—It is reported that plans will shortly be prepared for the construction of a new bridge over the English River.

Victoria, B. C.—(Official)—No bids will be asked for the construction of the Pacific Great Eastern Ry.'s new bridge over the Lillooch River at Station 1041. The work is now under way, and is included in the general contracts for construction of the railway. John Callaghan, Welton Block, Vancouver, B. C., is Ch. Engr. of the Pacific Great Eastern Ry. Noted Nov. 26.

WATER SUPPLY—IRRIGATION

Keene, N. H.—(Official)—The city will install water meters at once. There are 1510 unmetered connections. Paul Babbidge is Supt.

✚**Fall River, Mass.**—The contract for constructing an auxiliary pumping station has been awarded by the Watuppa Water Board to McNALLY CONSTRUCTION CO., Fall River, at $20,000.

Lynn, Mass.—(Official)—The city will extend the 36-in. water-pipe line to Ipswich River and erect a pumping station at the river. Thomas Campbell, 2d, is Water Comr.

✚**Hartford, Conn.**—The contract for constructing the pumping plant at the Farmington River has been awarded to FRED T. LEY & CO., Springfield, Mass., at $7500 by the Board of Water Commissioners. Noted Nov. 12.

Ilion, N. Y.—Plans have been prepared for additional storage and otherwise increasing the capacity of the water system.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received Dec. 4, by William Williams, Municipal Bldg., for laying water mains and appurtenances in Third, Madison and Park Ave., and East 42d St., and East 53d St., as follows: Soraci Contracting Co., $11,664; Knight & De Micco, $13,645; Goodman Construction Co., $19,704; Louis D. Gregory, $13,410; Melrose Construction Co., $13,599; Beaver Engineering & Construction Co., $10,087; Henry E. Fox Construction Co., $13,187, and James E. Holmes, $12,037. Noted Dec. 3.

Port Washington, N. Y.—Arthur W. Keevil, Edward J. West and Cornelius Gallagher have been appointed by the Town Board to act as a committee to establish a municipal water system.

Victor, N. Y.—The pumping plant will be enlarged to double its capacity by the city. R. H. Brown is Supt. of Water Wks.

★✚**Wappingers Falls, N. Y.**—(Official)—The contract for constructing a water system has been awarded to CHRISTOPHER & LOCKWOOD, Peekskill, at $52,285. List of bidders noted Dec. 3.

Woodstown, N. J.—(Official)—Bids will be received by the Water Committee of the Council until Dec. 14, for drilling artesian wells. J. H. Dickeson is Clk. Noted Nov. 5.

Atglen, Penn.—The Atglen Water Co. plans to construct another storage reservoir. W. D. Swisher is Pres.

Gallitzin, Penn.—The Council will submit plans to the Public Service Commission for the construction of a dam on Gum Tree Run, Blair County, and a water system in Gallitzin.

Kutztown, Penn.—Bonds for $25,000 will be issued by the Kutztown Water Co., the proceeds of which will be used for the installation of a filtration plant.

Newtown, Penn.—The Newtown Artesian Water Co. plans to erect another building and install a pump. George C. Worstall is Pres.

New Wilmington, Penn.—The New Wilmington Water Supply Co. plans to install an engine and pump, drive a well and enlarge the reservoir. R. J. Totten is Pres.

Moundsville, W. Va.—A new 1,500 000-gal. pump will be installed by the Moundsville Water Co. Mentor Metzer is Supt.

Rutherfordton, N. C.—The installation of a filtration plant with settling basins is contemplated by the city. L. C. Gidney is Supt. of Water Wks.

Charleston, S. C.—The purchase of the plant of the Charleston Light & Water Co. has been recommended by the Committee on Water Supply. The committee has also recommended that $100,000 be spent on improvements.

Florence, S. C.—The city contemplates installing a new air compressor and pump at the municipal water plant. McKean Moffitt is Supt. of Water Wks.

Corinth, Miss.—The city plans to enlarge the reservoir and drill deeper wells. J. M. Bell is Supt. of Water Wks.

Vivian, La.—At a recent election the citizens voted in favor of issuing bonds, the proceeds of which will be used for the installation of a water system.

Benton, Tenn.—The Committee on Public Improvements has been instructed by the Board of Commerce to investigate the installation of a water system and electric light system.

Murfreesboro, Tenn.—The Murfreesboro Water Co. plans to build a new pumping station and to develop additional water supply in 1915. James R. Jetton is Pres.

Fulton, Ky.—The water system will be improved. The Mayor is in charge.

Hickman, Ky.—The Council plans to make improvement to the water system for fire protection. The Mayor is in charge.

Leitchfield, Ky.—A water works will be constructed by the Continental Utilities Co.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, 513 City Hall, until noon, Dec. 17, for three low lift steam turbine pumps, for the Division pumping station. Specifications are on file with Charles F. Schultz, Com. of Water Dept. Noted Dec. 3.

Bids will be received by Commissioner of Purchases and Supplies, 513 City Hall, until noon, Dec. 18, for furnishing fire hydrants and sluice gates, for the Water Department. Specifications are on file with Charles F. Schultz, Com. of Water Dept.

Evansville, Ind.—(Official)—Bids will be received until 10 a.m., Dec. 24, by the Board of County Commissioners for installing an electric pumping system at the Vanderburg County Poor Farm. C. P. Beard is Audr.

Mishawaka, Ind.—Bids will be received until Dec. 14, by the Board of Works, for constructing a 4,000,000-gal, horizontal, corliss, cross-compound, opposed type, crank and flywheel pumping engine. A. R. Klein is Supt. of Water Wks.

Terre Haute, Ind.—The installation of a low-service pump is contemplated in 1915 by the Terre Haute Water-Works Co. Dow R. Gwinn is Pres. Noted May 28.

Ann Arbor, Mich.—The city plans to construct one mile of 16- and 20-in. water main and install a 3,000,000-gal. centrifugal pump and a filtration plant. George S. Vanawarker is Mgr.

✚**Leland, Ill.**—The contract has been awarded to MONIE & DUNBAR, St. Louis, Mo., at $9664 for installing a water system. Noted Sept. 9.

Louisville, Ill.—The installation of a new pump at the municipal water-works is contemplated. H. S. Stanford is Supt.

Sparta, Ill.—The city has retained W. M. K. Brown, 300 Cahokia Bldg., East St. Louis, to prepare plans for the construction of a water system. Noted Dec. 3.

Baraboo, Wis.—The city plans to construct six subsurface wells and install two Deane power pumps, one Worthington duplex compound steam pump and motor driven centrifugal pumps. H. E. Fruich is City Engr. The estimated cost is $135,000.

Portage, Wis.—The installation of a new filtration plant and steam boilers is contemplated at the water-works. George E. James is Supt.

Burlington, Iowa—The citizens contemplate spending $10,000 for the water system.

Ottumwa, Iowa—Bids will be received until Dec. 18, by the Board of Water-Works Trustees, for constructing concrete dams. Horace A. Brown is Supt. of Water Wks.

Duluth, Minn.—Bids will be received by the Water and Light Department until 11 a.m., Dec. 12, for laying water and gas mains. C. S. Palmer is City Clk.

✚**Douglass, Kan.**—The contract for constructing a water system has been awarded to O'NEIL CONSTRUCTION CO., Leavenworth, Kan., at $10,995. A. C. Moore, Joplin, Mo., is Engr. Noted Nov. 19.

Emporia, Kan.—The city contemplates laying a number of miles of pipe, installing a filtration plant and constructing three dams. W. J. Reynolds is Supt.

Wellington, Kan.—Bids will be received until Dec. 17, by the City Clerk, for equipment for the municipal water and light plant and substation at Mayfield Wells. The Benham Engineering Co., American National Bank Bldg., Oklahoma City, Okla., is the Engr. Noted Dec. 3.

Plainview, Neb.—The city plans to lay one mile of 4-in. water mains and install a 50,000-gal. pressure tank. O. A. Curtis is Supt. of Water Wks.

Spearfish, S. D.—The city contemplates installing water meters throughout the city. J. T. L. Henry is Supt. of Water Wks.

Billings, Mont.—The election proposed for Dec. 1 was rescinded and bids will be received, as before stated, on Dec. 29 for the purchase of $450,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Nov. 12.

Macon, Mo.—The city contemplates installing a filtration plant in 1915. C. F. Thudium is Supt. of Water Wks.

Ft. Worth, Tex.—The city contemplates installing a filtration and water softening plant at the municipal water works. F. J. Von Zuben is City Engr.

Sweetwater, Tex.—According to press reports bids are being received by the City Council for 35,000 ft. of 12-in. water main, 6900 ft. of 10-in., main, 1700 ft. of 8-in. main, 26,000 ft. of 6-in. main and 23,000 ft. of 4-in. c.-i. pipe.

McAlester, Okla.—The city has a plan whereby the water of Wild Horse Creek will be brought into the present reservoirs. F. S. Pitman is Supt. of Water Wks.

Hailey, Idaho—At a recent election the citizens voted in favor of issuing bonds for $35,000, the proceeds of which will be used for the purchase and improvement of the water system. Noted Sept. 10.

Ephrata, Wash.—The citizens contemplate issuing bonds for $19,000, the proceeds to be used for the construction of a water system.

Everett, Wash.—Burns & McDonnell, Kansas City, Mo., have been retained by the city to prepare plans for the improvement of the water systm.

Kirkland, Wash.—The city has won the condemnation case to secure the springs south of Kirkland for a water supply. Bids for the installation of a water system will soon be received. Noted June 18.

Seattle, Wash.—D. H. Traphagen, Artic Club, was low bidder, at $28,982, for laying water mains in 38th Ave., S. W. Noted Nov. 12.

✚**Tonasket, Wash.**—The contract has been awarded to G. D. MACY, by the Bonaparte Land Co., Tonasket, for laying about 4000 ft. of water mains.

Ashland, Ore.—Bonds have been voted, the proceeds of which will be used for the improvement and extension of the water and light systems. Noted Dec. 3.

Oregon City, Ore.—Bids were opened Nov. 28, by the South Fork Water Commission for a gravity water system. The low bidders are as follows: Pacific Bridge Co., Portland, wood-pipe construction, $209,770; open reservoir, $34,224; lap-welded pipe, $338,117; covered reservoir, $78,775; P. E. McHugh, Tacoma, wood-pipe, $219,034; open reservoir, $47,871; lap welded pipe, no bid; covered reservoir, $92,817; Consolidated Contract Co., Portland, wood pipe construction, $221,100; open reservoir, $43,622; lap-welded pipe, none; covered reservoir, none; Boyajohn-Arnold Co., Panama Bldg., Portland, wood-pipe construction, $241,996; open reservoir, $42,550; lap-welded pipe, $407,471; covered reservoir, $77,298. Noted Nov. 26.

✚**Turner, Ore.**—The contract has been awarded to DENNIS CONSTRUCTION CO., Portland, for the construction of a water system. Noted Apr. 30.

✚**Imperial, Calif.**—The contract for constructing a wood flume across the New River has been awarded to MERCEREAU BRIDGE & CONSTRUCTION CO., Pacific Electric Bldg., Los Angeles, at $33,686. Noted Oct. 8.

✚**San Diego, Calif.**—The contract for installing a filtration plant has been awarded to CALIFORNIA JEWELL FILTER PLANT CO., at $52,954. Noted Nov. 26.

Somis, Calif.—The Pleasant Valley Lemon Co. will construct a pipe line four miles long and an irrigation system, estimated to cost $100,000, and a cement distributing system, costing $50,000. A. C. Hardison is Dir. Engr.

Quebec, Que.—According to press reports the water system will be extended at an estimated cost of $120,000. T. A. Forrester is Engr.

Cochrane, Alta.—The citizens contemplate installing a water system in 1915. J. E. Laird is Secy.-Treas.

Cranbrook, B. C.—Bids will soon be received by the City Clerk, for valves and hydrants.

New Westminster, B. C.—Preliminary plans are under way for the construction of a reservoir, with a capacity of 5,000,000 gal., by day labor.

SEWERS

✚**Boston, Mass.**—The contract for the reconstruction of old sewers in Beach, Kilby, Congress and Water St. has been awarded to W. BARRETT & CO., at $47,707. Other bids were: Merrimac Construction Co., $48,967; McCarthy & Walsh, $51,190; Charles R. Gow Co., $51,851; West Roxbury Trap Rock Co., $53,043; Antony Baruffaldi, $53,661; Coleman Bros., $56,402; Northern Construction Co., $56,701; William J. Barry, $58,850; George M. Bryne, $60,137; Hugh Nawn Contracting Co., $65,078; James Driscoll & Sons Co., Brookline, $65,847; Bruno & Pettiti, $66,102, Antony Cefalo, $67,287; M. Russo & Sons Co., $80,202. Noted Nov. 12.

Bids will be received until Dec. 11. by the Public Works Department for constructing sewers in Freeport St. and Melvinside Terrace, Dorchester District. L. K. Rourke is Comr.

Buffalo, N. Y.—The City Council has authorized the construction of 24-, 20-, 18- and 15-in. tile sewers in Woodside Ave. and Potters Rd. between Abbott Rd. and Niantic St., and in Heath and Angle St. Francis G. Ward is Dir. of Pub. Ser.

Fredonia, N. Y.—The Board of Village Trustees will build a sewage disposal plant at Temple St. and Canadaway Creek. Plans are being prepared by Frederick Wing, White Bldg., Buffalo.

Great Neck, N. Y.—Plans are being prepared by Watson Engineering Co., 38 West 32d St., New York, for the installation of a sewer system and sewage-disposal plant at Great Neck. The estimated cost is $150,000.

✚**Scarsdale, N. Y.**—The contract for constructing the Morris Lane extension sewer has been awarded to FRANK GEORGE, White Plains, N. Y., at $5008.

★✚**Wappingers Falls, N. Y.**—(Official)—The contract for constructing a sewer system has been awarded to SAMUEL BESKIN, Beacon, N. Y., at $69,051. List of bidders noted Dec. 3.

Bristol, N. J.—The State Board of Health has ordered the installation of a sewer system, including house connections.

Perth Amboy, N. J.—The Board of Aldermen plans to establish a public park in upper Smith St. The initial work in connection with the improvement will comprise 1000 ft. of storm sewer, estimated to cost $7000, a 3000-ft. driveway, estimated to cost $6000, and 3600 ft. of fencing.

Trenton, N. J.—The Board of City Commissioners has authorized the construction of Sewer No. 608 in Lyndale Ave. Frank Thompson is City Clk.

Bradford, Penn.—Plans are being prepared by B. A. Wise, City Engr. for constructing an Imhoff tank, a sewage pumping plant and intercepting sewers.

Erie, Penn.—William L. D'Olier, Philadelphia, Engr., has been retained, by Theodore Eichhorn, Supt. of Streets, to prepare plans for a sewage-disposal plant.

Oaklyn, Penn.—According to press reports bids will soon be received for constructing a sewer system at an estimated cost of $50,000.

Arlington, Md.—The County Commissioners of Baltimore County, Towson, are conferring with Ezra B. Whitman, Engr., 1319 Fidelity Bldg., Baltimore, in connection with the construction of a sewage disposal plant at Arlington.

Albany, Ga.—The citizens contemplate issuing bonds, the proceeds of which will be used for the installation of sewer and water systems and for street paving. H. A. Tarver is Mayor.

Pensacola, Fla.—The construction of storm sewers in Brue, Palafox and Romana St. is contemplated by the city. The estimated cost is $18,000. L. Earl Thornton is City Engr.

Gallatin, Tenn.—The city plans to construct a sewer system in the business district.

Ashtabula, Ohio—(Official)—Bids will be received by M. H. Turner, Dir. of Pub. Ser., until noon, Dec. 12, for constructing sewers in Jefferson and Thornton St.

★✚**Canton, Ohio**—The contract for constructing the main sewer to the new sewage disposal plant has been awarded to JOHN F. CASEY, Oliver Bldg., Pittsburgh, Penn., at $169,000. Noted Nov. 5.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, Room 518, City Hall, until noon, Dec. 17, for constructing sewers in a number of streets. Robert Hoffman is City Engr.

Lodi, Ohio—Bids will be received by G. C. Rice, Village Clk., until noon, Dec. 28, for the sale of $30,000 in bonds for sewers, general sewerage and a sewage disposal plant.

Steubenville, Ohio—Bids will be received by T. M. Kennedy, Clk. of the Bd. of Pub. Ser., until Dec. 14, for constructing a 12-in. vitrified pipe sewer in Lake Erie Ave. from South to Slack St.

West Indianapolis (Indianapolis post office), **Ind.**—According to press reports the Board of Public Works contemplates constructing a main sewer, at an estimated cost of $122,000.

Lockport, Ill.—(Official)—Bids will be received by the Board of Local Improvements, about Jan. 15, for constructing 8½ miles of 8- to 30-in. pipe sewers. The estimated cost is $76,000. A. S. Calkins, Asst. Engr. of Joliet, Ill., is Engr.-in-Charge. Noted Dec. 3.

✚**Appleton, Wis.**—A contract for constructing sewers in Eldorado and De Forest Ave. has been awarded to J. DITTMANN & CO., Appleton.

✚**West Allis, Wis.**—A contract for constructing a sewer has been awarded to F. E. KAMINSKI, Watertown, Wis., at $9000.

✚**Cedar Rapids, Iowa**—A contract for constructing sanitary sewers has been awarded to the CEDAR RAPIDS CONSTRUCTION CO.

Duluth, Minn.—Plans are being prepared by John Wilson, City Engr., for constructing a sanitary sewer system in New Duluth and Gary.

✚**Lincoln, Neb.**—The contract for constructing the N St. sewer has been awarded to the H. J. CATHHOE CO., at $10,362.

Fargo, N. D.—(Official)—Bids will be received by A. R. Watkins, City Audr., until 9:30 a.m., Dec. 16, for constructing a 12-in. lateral sewer in Second St. N. from Ninth to 12th Ave. N.

✚**Fort Benton, Mont.**—A contract for constructing a municipal sewerage system has been awarded to D. H. KELLEY, Kalispell, Mont., at $29,168. Noted May 21 and Aug. 27.

✚**Joplin, Mo.**—A contract for constructing sewers in three sewer districts has been awarded by the City Commissioner to V. E. KOCH, at $8000.

Santa Anna, Tex.—The City Council contemplates constructing a sewage disposal plant.

Ogden, Utah—The City Commissioners contemplate an expenditure of $80,000 to extend the sewer system.

✚**Los Angeles, Calif.**—The contract for constructing a sewer in Figueroa St., between Florence and Slauson Ave., has been awarded to A. J. WULETICH, at $9900.

Richmond, Calif.—According to press reports bids will be received until Dec. 20, for constructing a sewer in the Canal District.

Visalia, Calif.—At the election held Nov. 17, the question of issuing $108,000 in bonds for extending the sewer system was defeated. Noted Nov. 5.

✚**Toronto, Ont.**—The York Township Council has awarded the contract for constructing sewers in Glenholme and Earnscliffe Ave., to J. C. SCOTT, Lambton Mills, Ont., Noted Dec. 3.

Vancouver, B. C.—Plans are in progress for the construction of Clark Drive trunk sewer, estimated to cost $325,000, for Vancouver District Joint Sewerage and Drainage Board, 718 Granville St. It has not been decided yet whether to let a contract or do the work by day labor.

GARBAGE

✚**Boston, Mass.**—(Official)—The Commissioner of Public Works has awarded the following contracts for snow and ice removal: District 1, JOSEPH M. KILEY, at 35c. per cu.yd.; District 2, JOSEPH McGREEVY, 34c.; Districts 3 and 4, C. J. JACOBS CO., 34c.; District 5, COLEMAN BROS., 39c.; District 6, J. C. COLEMAN & SONS CO., 34c. Noted Nov. 12, Dec. 3.

North Bergen, N. J.—Bids will be received until 8 p.m., Dec. 10, by the Township Committee, for the removal of all ashes, garbage, paper and other refuse for a period of one year. Patrick A. Brady is Township Clk.

Philadelphia, Penn.—The following contracts have been awarded by the Director of Public Works for (a) cleaning of streets, roads, alleys, inlets and markets for the year 1915; (b) collection and disposal of ashes and rubbish for the year 1915: District 1-A, JAMES MULLEN, (a) $94,700, (b) $43,770; District 1-B, JAMES IRWIN, (a) $104,038; District 1-B, PEOPLES BROS., (b) $48,900; District 2, EDWIN H. VARE, (a) $200,000, (b) $70,000; District 3, EDWIN H. VARE, (a) $290,000, (b) $66,000; District 4-B, THOMAS E. FLANIGAN, (a) $103,309, (b) $83,391; District 5, JAMES D. DORNEY, (a) $162,900; District 5, FRANK CURRAN, (b) $64,720; District 6, Estate of DAVID McMAHON, (a) $146,900, (b) $84,900. Noted Oct. 29, Nov. 26.

Dayton, Ohio—The City Commission has passed an ordinance, authorizing an issue of $45,000 in bonds for completing the garbage-reduction plant. Noted Oct. 22.

Detroit, Mich.—The Department of Public Works will again ask for bids about Jan. 1 for furnishing a part of the equipment to be used at the garbage-reduction plant. Smith, Hinchman & Grylls, Washington Arcade, Detroit, are the Archs. and Engrs.

Fort Worth, Tex.—Hering & Gregory, Consult. Engrs., 170 Broadway, New York, have been engaged to investigate garbage-disposal conditions.

Berlin, Ont.—The City Council plans to install an incinerator. A. H. Miller is securing information for the council.

STREETS AND ROADS

✚**Boston, Mass.**—The contract for paving Spring St. with bituminous macadam has been awarded to the WEST ROXBURY TRAP ROCK CO., at $11,151. Other bids were: Martino De Matteo, $12,452; A. Williams & Co., $13,479; John F. Lynch, $13,521; Charles A. Kelley, $14,904; W. J. Rafferty Co., $15,129, and John Landis, $16,154. Noted Nov. 26.

Bids will be received until Dec. 11, by the Public Works Department, for bituminous macadam roadways in Hereford St., Dorchester District, and Saybrook St., Brighton District. L. K. Rourke is Comr.

Woonsocket, R. I.—(Official)—Bids will be received by the Committee on Streets and Roads until 8 p.m., Dec. 21, for improving Pond St. Frank H. Mills is City Engr.

Hartford, Conn.—Bids were received Nov. 30, by Charles J. Bennett, State Highway Comr., for state road work in the following townships:

Sherman Township, about 3898 lin.ft. native stone macadam on the Gaylordsville Rd., Olin T. Benedict, Pittsfield, Mass., $11,757; John de Michiel & Bro., Torrington, Conn., $12,1[illegible]; Robert G. Miller Contracting Co., Hartford, Conn., $12,1[illegible]; Kellogg & Gregory Co., Danbury, Conn., $10,194; Marcello Contracting Co., Portsmouth, N. H., $10,181; Louis Longhi & Bro., Torrington, Conn., $12,380; H. Sanford Osborn, Redding Ridge, Conn., $11,312.

Winchester Township (Winsted post office), about 4645 lin.ft. (a) trap rock, (b) native stone, (c) macadam, on the Riverton Rd., Louis Longhi & Bro., Torrington, Conn., (a) $10,654, (b) $11,598; E. B. Alfred, New Hartford, Conn., (b) $10,937; John de Michiel & Bro., Torrington, Conn., (a) $10,303, (b) $9721; Marcello Contracting Co., Portsmouth, N. H., (a) $11,007, (b) $10,524.

Saybrook Township (Deep River post office), about 4170 lin.ft. (a) trap rock, (b) native stone, (c) gravel, A. Brazos & Sons, Middletown, Conn., (a) $14,292, (c) $12,269; A. Vito Construction Corporation, Thompson, Conn., (a) $14,674, (b) $14,308, (c) $11,796; Connecticut Good Roads & Construction Co., New Britain, Conn., (a) $12,981, (b) $13,812, (c) $10,426; Olin T. Benedict, Pittsfield, Mass., (a) $12,307, (b) $13,198, (c) $11,598; Frank Arrigoni & Bro., Middletown, Conn., (a) $14,118, (b) $14,330, (c) $13,541; Leonardo Suzio, Meriden, Conn., (a) $11,987, (c) $10,490.

Lebanon Township, about 7300 lin.ft. native stone macadam on the Creamery Hill Rd., Frank A. Wilcox, Norwich, Conn., $16,855; Olin T. Benedict, Pittsfield, Mass., $18,149; Robert G. Miller Contracting Co., Hartford, Conn., $19,408; Amos D. Bridge's Sons, Hazardville, Conn., $20,396; A. Vito Construction Corporation, Thompson, Conn., $18,193; Ahern Construction Co., Willimantic, Conn., $22,744; A. Brazos & Sons, Middletown, Conn., $19,965.

Stonington Township, about 21,920 lin.ft. (a) concrete with washed sand, (b) concrete with unwashed sand, (c) reinforcement, (d) bituminous native stone macadam, (e) gravel, (f) hassam block, A. D. Bridge's Sons, Inc., Hazardville, Conn., (d) $57,675; the Connecticut Hassam Paving Co., New Haven, Conn., (c) $4185, (f) hassam with washed sand, $73,539, with washed stone, $69,354, hassam reinforced with washed sand, $77,724, with unwashed sand, $73,724; Kellogg & Gregory Co., Danbury, Conn., (d) $58,666; C. W. Blakeslee & Sons, New Haven, Conn., (a) $78,449, (b) $75,419, (c) $4812, (d) $61,669, (e) $50,369; Charles W. Tryon, Meriden, Conn., (d) $56,893; O'Brien Construction Co., Grand Central Terminal, New York, (a) $83,399, (b) $81,351, (c) $10,462, (d) $57,456, (e) $49,086; Daly & Merritt, Portchester, N. Y., (a) $74,701, (b) $73,882, (c) $4185, (d) $69,958, (e) $57,403; A. Vito Construction Corporation, Thompson, Conn., (a) $66,452, (b) $64,568, (c) $4185, (d) $51,156, (e) $38,839; Connecticut Good Roads & Construction Co., New Britain, Conn., (a) $74,876, (b) $71,191, (c) $3766, (d) $65,531, (e) $48,791; B. D. Pierce, Jr., Co., Bridgeport, Conn., (a) $77,651, (b) $75,603, (c) $3348, (d) $64,128, (e) $44,040; Louis Longhi & Bro., Torrington, Conn., (a) $70,407, (b) $68,769, (c) $4185, (d) $56,002, (e) $35,163; William J. Mertz, Portchester, N. Y., (a) $69,086, (b) $68,267, (c) $4603.

Chatam (East Hampton post office), about 5240 lin.ft. of (a) trap rock, (b) gravel on the Middle Haddam Rd., Connecticut Good Roads & Construction Co., New Britain, Conn., (a) $13,712, (b) $11,385; Olin T. Benedict, Pittsfield, Mass., (a) $12,122, (b) $11,054; John Arborio, 172 Congress Ave., New Haven, Conn., (a) $13,134, (b) $10,577; A. Vito Construction Corporation, Thompson, Conn., (a) $13,719, (b) $10,208; Frank Arrigoni & Bro., Middletown, Conn., (a) $13,966, (b) $11,831; Leonardo Suzio, Meriden, Conn., (a) $11,653; Donahue Bros., Middletown, Conn., (a) $13,870; A. Brazos & Sons, Middletown, Conn., (a) $20,744, (b) $17,407.

Bridgewater Township, about 16,140 lin.ft. 4-in. native stone macadam on the Southville Rd. John Arborio, 172 Congress Ave., New Haven, Conn., $29,328; Robert G. Miller Contracting Co., Hartford, Conn., $30,671; Louis Longhi & Bro., Torrington, Conn., $29,937; H. Sanford Osborne, Redding Ridge, Conn., $40,407; Goodman & Trumbull Co., Litchfield, Conn., $30,157; B. D. Pierce, Jr., Co., Bridgeport, Conn., $35,750; John de Michiel & Bro., Torrington, Conn., $29,413; A. Brazos & Sons, Middletown, Conn., $32,438; Kellogg & Gregory Co., Danbury, Conn., $27,457. Noted Nov. 19.

Buffalo, N. Y.—The City Council is having plans prepared for the paving of portions of Chippewa and Georgia St.

Buffalo, N. Y.—The City Council has authorized the repairing of South and North Division St.

New York, N. Y.—(Borough of Manhattan)—(Official)—The following bids were received Nov. 30, by Marcus M. Marks, for regulating and regrading Riverside Drive, Service St. from 158th to 160th St., and for paving and curbing the same street from 158th to 161st St.: Barber Asphalt Paving Co., $8990; Uvalde Contracting Co., $8194, and Asphalt Construction Co., $8038. Noted Nov. 26.

Yonkers, N. Y.—According to press reports, plans are being prepared by Daniel F. Fullon, City Engr., for grading, paving and improving a section of Yonkers Ave.

Cranbury, N. J.—The Board of Freeholders of Middlesex County is considering the construction of a new road from Cranbury, Middlesex County, to Edinburgh, Mercer County, reducing the present distance to Trenton by about six miles. The Mercer County Board of Freeholders is also interested.

Hightstown, N. J.—The Board of Freeholders of Mercer County will immediately improve the Windsor-Hightstown Rd. at a cost of about $5000.

Millville, N. J.—The State Road Commissioner, Trenton, N. J., approved plans for improving that section of road between Millville and the prison farm at Leesburg, 10 miles. Estimated cost, $2500 per mile.

New Brunswick, N. J.—The Board of Freeholders of Middlesex County has approved plans for the improvement of the third section of the Roosevelt-Woodbridge road.

Perth Amboy, N. J.—See item under "Water Supply and Irrigation."

Weehawken, N. J.—The Board of Council of West New York plans to open and improve 10th, 11th and 15th St.

✚Baltimore, Md.—Contracts have been awarded for constructing 7.84 miles of road from Greenridge to Washington County line, to I. G. ROBINSON, Hancock, at $65,758, and a road in Cecil County through Chesapeake City, to M. J. BEST, Philadelphia, Penn., at $10,179.

Baltimore, Md.—Bids will be received by the Paving Commission until Dec. 16 for paving Latrobe St. The work includes 760 sq.yd. of vitrified block paving, concrete filler with 6-in. concrete base, and 1160 sq.yd. vitrified block paving, concrete filler with 4-in. concrete base.

New Cumberland, W. Va.—(Official)—Bids will be received by the County Court until noon, Jan. 4, for improving roads in Butler District. C. E. Grafton is County Rd. Engr.

Aiken, S. C.—See item under "Federal Government Work."

St. Augustine, Fla.—All bids received Nov. 25, by L. Pomar, City Clk., for paving Cincinnati Ave. were rejected. New bids will be advertised.

✚Centerville, Ala.—A contract for grading, draining and surfacing a section of the Centerville and Blocton Rd. has been awarded to O. P. HEAD, at $10,540. Noted Nov. 12.

Columbiana, Ala.—Bids will be received until Dec. 21, for grading and draining the road from Vandiver, Shelby County, to the Jefferson County line.

Vernon, Ala.—An election will be held, Dec. 21, to vote on the question of issuing $75,000 in bonds for constructing roads.

Louisville, Ky.—The Board of Park Commissioners will build a road from Greenwood Ave. to the state fair grounds, at a cost of $10,000.

Dayton, Ohio—(Official)—Bids will be received by Hugh E. Wall, City Accountant, until noon, Dec. 15, for the sale of $101,200 in bonds for paying in Herman, Virginia, Neal, Forest, Salem Ave., May and Bowen St., respectively.

The City Commission contemplates paving Main St. with wood block. The estimated cost is $102,300.

Anderson, Ind.—(Official)—Bids will be received by the Commissioners of Madison County until 10 a.m., Dec. 21, for constructing 12 gravel and 11 concrete roads. J. B. Benefiel is County Audr.

Newcastle, Ind.—(Official)—Bids will be received by Commissioners of Henry, Fayette and Rush Counties until 2 p.m., Dec. 28, for constructing a county line highway. P. H. Wolfard is Audr. of Henry County.

Detroit, Mich.—Plans are being prepared for resurfacing a number of streets with sheet asphalt. The estimated cost is $600,000.

Bloomington, Ill.—The Board of Local Improvements contemplates paving White Pl. Blvd. The estimated cost of the work is $15,184.

✚Chicago Heights, Ill.—A contract for paving in District No. 2 has been awarded to the CHICAGO HEIGHTS COAL CO., Chicago Heights, at $52,804.

St. Paul, Minn.—Bids will be received by August Hohenstein, Purchasing Agt., until 10 a.m., Dec. 14, for improving Cook St. from Matilda to Western Ave.

Anderson, Tex.—Grimes County Road District No. 2 contemplates an expenditure of $50,000 for road construction. J. G. Browne, Navasota, Tex., is Engr.-in-Charge.

✚Angleton, Tex.—A contract for constructing about 12 miles of hard-surface gravel roads has been awarded to the OWENS CONSTRUCTION CO.

Bryan, Tex.—At an election to be held Dec. 30, the citizens of Brazos County will vote on the question of issuing $600,000 in bonds for constructing roads. Noted Dec. 3.

Cuero, Tex.—According to press reports, an election will soon be held to vote on the question of issuing $60,000 in bonds for constructing roads.

Floresville, Tex.—An election will be held Dec. 15, to vote on the question of issuing $30,000 and $18,000 in bonds for constructing and improving roads in Lavernia and Sutherland Springs District, respectively.

✚Houston, Tex.—The contract for paving West Alabama Ave. from Main to San Jacinto St. has been awarded to the TEXAS BITULITHIC CO., Dallas, Tex. Noted Nov. 19.

Paris, Tex.—An election will be held Dec. 29, to vote on the question of issuing $100,000 in bonds for street improvements.

Terrell, Tex.—The City Council contemplates paving a section of North Rockwall Ave.

Fallon, Nev.—At the general election the citizens voted in favor of issuing $50,000 in bonds for constructing roads.

Bellingham, Wash.—The City Council contemplates an expenditure of $75,000 to pave three miles of Lake St. with asphalt or macadam.

Everett, Wash.—At the general election the question of issuing $1,500,000 in bonds for constructing roads was defeated.

✚Seattle, Wash.—The contract for constructing concrete walks on 29th St. has been awarded to the HARBOR PAVING CO., at $7196.

Astoria, Ore.—The County Commissioners contemplate an expenditure of $22,642 for constructing a road from Flavel toward Seaside.

✚Burlingame, Calif.—The City Trustees have awarded a contract for the paving of streets in the Langville District to the FEDERAL CONSTRUCTION CO., Monadnock Bldg., San Francisco, Calif., at $33,950.

Castella, Calif.—The Trinity Asbestos Mining Co. is preparing to construct a road from Castella, Shasta County, to the asbestos mines in Trinity County, a distance of 20 miles. The road will cost $45,000.

Fullerton, Calif.—The City Council plans to pave Brea Rd. to the city limits. The citizens will vote on the question of issuing $35,000 in bonds for this purpose.

✚Los Angeles, Calif.—Contracts have been awarded for improving Seventh and Eighth St., to the FAIRCHILD-GILMORE-WILTON CO., at $26,259 and $27,695, respectively.

Bids will be received by the Board of Supervisors until 2 p.m., Dec. 21, for grading and constructing oil macadam pavement in County Road District No. 1.

Ontario, Calif.—Bids will be received by R. O. Brackenridge, City Clk., until 5 p.m., Dec. 14, for grading and paving with concrete base and oiled surface, about six blocks of Euclid Ave. between G St. and the north city limits. The work includes about 350,000 sq.ft. concrete base with oiled surface, 150,000 sq.ft. grading and paving with macadam and oiled surface, 67,000 sq.ft. cementing cobble stone gutters and 56,000 sq.ft. concrete gutters.

✚Pasadena, Calif.—A contract for paving 148,000 sq.ft. on East Orange Drive with 4-in. oil macadam has been awarded to J. C. KINSMAN, 372 North Fair Oaks Ave., at $10,212.

✚Pomona, Calif.—A contract for paving nine miles of street has been awarded to GEORGE H. MAGILL, of Crandall Construction Co., Santa Ana, at approximately $159,000. Noted Nov. 19.

✚Sacramento, Calif.—The State Highway Commission has awarded contracts for highway construction in Glenn County from Willows to southerly boundary to C. W. CROSS, Oakland, Calif., at $40,013, and in Solano County from Cordelia to Fairfield to P. H. HOAN, Oakland, Calif., at $40,357. Noted Oct. 29 and Nov. 26.

✚San Francisco, Calif.—The contract for paving Corbett Ave. from Stanford Heights to Sloat Blvd. has been awarded to G. W. McGINN & CO.

✚Santa Monica, Calif.—The contract for improving Colorado Ave. from Ocean Ave. to Fourth St. has been awarded to J. D. KEEN CONTRACTING CO., Dudley Bldg., at $28,827.

Vacaville, Calif.—An election will be held Dec. 15, to vote on the question of issuing $12,000 and $18,000 in bonds for street improvements.

Venice, Calif.—The City Council contemplates improving Redondo Drive, connecting Venice and Redondo.

Quebec, Que.—Plans have been prepared by W. D. Baillarge, City Hall, City Engr., for paving from St. Valies St. to city limits. The estimated cost is $27,000.

INDUSTRIAL WORKS

Fitchburg, Mass.—The Fitchburg Yarn Co. will erect a three-story brick and wood storehouse on Sheldon St.

✚New Bedford, Mass.—The contract for the construction of the warehouse for Charles Richmond, 600 Pleasant St., has been awarded to the B. F. SMITH CONSTRUCTION CO., Pawtucket, R. I. The estimated cost is $12,000.

Providence, R. I.—O. E. Haskell, 51 Sackett St., Providence, will erect a public garage on Worthington St.

Warren, R. I.—Plans have been completed for a building to be erected for the Swiss Textile Co.

Bridgeport, Conn.—The Royal Equipment Co. plans to erect a three-story addition to its factory on Railroad Ave.

✚New Haven, Conn.—The Winchester Repeating Arms Co. has awarded contracts for the construction of buildings at its plant, to the WESTINGHOUSE, CHUCH, KERR CO., New York, N. Y. Noted Dec. 3.

Buffalo, N. Y.—The Ross Food Co. is having plans prepared for a building at Buffalo. Alexander Ross, 915 Ellicott Square Bldg., is the Pres.

The Pierce Arrow Motor Car Co. has purchased a site at Elmwood Ave. and the New York Central R.R., upon which will be erected a plant for the manufacture of automobile trucks.

Falconer, N. Y.—The Ferncliff Worsted Co. will erect a building at its plant, to provide for additional machinery.

New York, N. Y.—(Borough of Manhattan)—Wortmann & Braun, Archs., 114 E. 28th St., are preparing plans for the warehouse and garage, to be erected at 107th St. and Columbus Ave., for the Chelsea Storage Warehouse Co. Louis Shram, 426 West 26th St., is Pres.

New York, N. Y.—(Borough of Queens)—Plans have been prepared by William Higginson, 13 Park Row, Manhattan, for the four-story reinforced concrete lithographing factory in Meadow St. Long Island City, for the Degnon Realty & Terminal Improvement Co., 30 East 42d St.

Revised plans are being prepared by Frank Braun, 585 Ninth Ave., Long Island City, for a one-story brick shop, 50x100 ft., at Ridge and Sherman St. Long Island City, for J. Kleine Steel & Iron Works, 82 Broadway.

Poughkeepsie, N. Y.—Smith Bros., cough drop manufacturer, will erect a factory on Church St. The estimated cost is $40,000.

✚Harrison, N. J.—The general contract for the construction of the factory at Third and Sussex St., for the Calculagraph Co., of New Jersey, 9 Maiden Lane, Manhattan, has been awarded to SALMOND BROS. CO., 526 Elm St., Arlington, N. J. Noted Nov. 19.

✚Millville, N. J.—The contract for the construction of the factory for the Caloris Co., has been awarded to H. H. HANKINS & BRO., Bridgeton, N. J.

Newark, N. J.—The Consolidated Cork Specialty Co. contemplates the erection of a two-story building, 100x150 ft., at 43 Barbara St. The estimated cost is $100,000.

The Mass & Waldstein Co. will erect a chemical plant on Ave. R near the Passaic River. The estimated cost is $50,000.

✚New Brunswick, N. J.—The contract for the construction of the factory for the Endurance Tire & Rubber Co., has been awarded to the DAVID HENRY BLDG. Co. Noted Sept. 17.

Passaic, N. J.—Morris & David Levine, 114 Columbia St., Passaic, are receiving bids for the construction of a one-story brick storage and grain elevator at Monroe St. and Dayton Ave. The estimated cost is $10,000.

✚**Philadelphia, Penn.**—The contract for the construction of the warehouse at Kensington Ave. and Hilton St., for Charles Devlin, has been awarded to HARRY GILL, JR., 2515 Germantown Ave. Noted Dec. 3.

✚The contract for the construction of the three-story ice-cream factory at 216 Lombard St., for Joseph J. Lifter, has been awarded to the H. C. REA CO., 1027 Wood St.

✚**Pittsburgh, Penn.**—The contract for remodeling the planing mill of the D. J. Kennedy Co. has been awarded to the WALKER CURLEY CO., at $30,000.

York, Penn.—J. A. Dempwolf, Arch., York, is preparing plans for the two-story dairy building for the Sanitary Milk Co. The estimated cost is $20,000.

✚**Wilmington, Del.**—The contract for the construction of the factory at Seventh and Orange St., for W. W. Bottomley, has been awarded to JOHN E. HEALEY & SON.

Wilmington, Del.—The Turnbull Mfg. Co. has had plans prepared for the erection of a factory at Wilmington. It will be two stories, 35x125 ft., of brick and concrete.

Baltimore, Md.—The Prudential Oil Corporation, New York, is planning the erection of an oil refinery on the Patapsco River, near Baltimore.

✚**Hagerstown, Md.**—The contract for the construction of a garage for O. D. Sherley has been awarded to the PRICE CONSTRUCTION CO., 225 St. Paul St., Baltimore, Md. It will be three stories, 54x154 ft.

✚**Clarksburg, W. Va.**—The contract for the construction of the plant for the Pittsburgh Plate Glass Co. has been awarded to the J. E. MOSS IRON WORKS, Wheeling, W. Va., at $59,800. Noted Nov. 19.

Augusta, Ga.—The Gainesville Hosiery Mills, recently incorporated, plans to construct buildings at Augusta.

New Orleans, La.—Thomas Cusack Co. will erect a warehouse at Howard Ave. and Dryades St. The estimated cost is $100,000.

Akron, Ohio—Plans have been prepared by N. A. Mantz, Arch., for the construction of a two-story, 30x160-ft. building at 741 Spicer St., for the Krouse Clay Products Co.

The Miller Rubber Co. plans the construction of a group of five buildings, estimated to cost $28,500. The group includes a one-story building, power plant, two storage buildings and a two-story building.

Chillicothe, Ohio—Burrell Engineering & Construction Co., Archs. & Engrs., Detroit, Mich., is preparing plans for the construction of a $35,000 grain elevator for the Standard Cereal Co. Bids will be received in the spring.

✚**Cleveland, Ohio**—The contract for the construction of a six-story and basement, 30x144-ft. factory for the Cleveland Worsted Mills Co., 5900 Broadway, has been awarded to the HUNKIN-CONKEY CONSTRUCTION CO., 321 Cuyahoga Bldg. Estimated cost, $250,000.

Plans have been prepared by Mechanics Marshall Co., Pittsburgh, Penn., for the construction of a one-story, 145x528-ft. addition to the Empire Rolling Mill Co., Besemer Ave. and the Pennsylvania R.R. Estimated cost, $30,000.

Plans are being prepared by W. S. Lougee, Arch., Marshall Bldg., for the construction of a six-story warehouse at East 23d St. and Lakeside Ave., for the Union Paper & Twine Co., 131 St. Clair Ave., N. W.

The Cleveland officials of the Lake Shore & Michigan Southern, and Cleveland, Cincinnati, Chicago & St. Paul Ry., are planning the construction of a 12-story railroad freight terminal warehouse at West Ninth St. and Main Ave. The estimated cost is $2,000,000. A. A. Mudge, of Mudge & Bead, is interested.

Cuyahoga Falls, Ohio—Walter Rachals, Arch., Stambaugh Bldg., Youngstown, is preparing plans for the construction of a one-story, 150x600-ft. factory for the Falls Hollow Staybolt Co. Estimated cost, $100,000.

✚**Sandusky, Ohio**—The Kroma Color Co. has awarded the contract for the construction of a $10,000 addition on Market St., to GEORGE FEICK CO.

Evansville, Ind.—The Evansville Brewing Association has filed plans for the construction of a $17,000 warehouse.

✚**Grand Rapids, Mich.**—The contract for the construction of a four-story and basement, 100x120-ft. warehouse for John Canfield, has been awarded to HORNER & KELLY, 422 Widdicomb Bldg., Grand Rapids. Estimated cost, $80,000.

Chicago, Ill.—Plans are being prepared by A. Charvat, Arch., 1801 South Ashland Ave., for the construction of a two-story, 64x64-ft. dairy and pasteurizing plant, at Ogden Ave. The estimated cost is $35,000.

Clearing, Ill.—The Gary Brick & Tile Co. has purchased a site for a plant. One unit only will be constructed now, at a cost of $50,000. Noted Oct. 22, under Gary, Ind.

Minneapolis, Minn.—Bids will be received about Jan. 1, by L. S. Donaldson Co., for the construction of a concrete garage at Eighth St. and 13th Ave., S. Estimated cost, $35,000.

✚**St. Paul, Minn.**—The contract for the improvements at the plant of the Certified Ice Cream Co., 3 West 9th St., has been awarded to the F. J. ROMER CONSTRUCTION CO., 190 Ramsey St.

Stafford, Kan.—The Valencia Milk Condensing Co., Madison, Wis., plans the construction of a $100,000 plant at Stafford.

South Omaha, Neb.—The Mid-West Serum Co. has prepared plans for the construction of a plant at 33d and O St., South Omaha.

Hamilton, Mont.—Plans are being prepared for a $1,000,000 beet sugar plant, by a number of prominent capitalists and business men of Hamilton. Marcus Daly is interested.

San Antonio, Tex.—Plans have been prepared by F. O. Kirby, Arch., for the construction of five one-story buildings for the Oakloab Mfg. Co. Estimated cost, $35,000.

✚**Seattle, Wash.**—The contract for the construction of a 16-story warehouse for Sears-Roebuck & Co., Chicago, Ill., has been awarded to GRANT, SMITH & CO., Henry Bldg., Seattle. Estimated cost, $640,000. Noted under buildings, Sept. 17.

Spokane, Wash.—The Non-Slip Sidewalk Door Co., recently incorporated with a capital of $60,000, plans to build a factory at Spokane.

Medford, Ore.—Edgar Hafer contemplates constructing a sawmill and box factory on Bear Creek. The plant will have a capacity of 50,000 ft. a day.

San Francisco, Calif.—The John Center Co. plans the construction of a two-story brick bakery at Bryant and Seventh St. The estimated cost is $40,000.

FEDERAL GOVERNMENT WORK

Post Office—Brattleboro, Vt.—Plans have been completed and bids will soon be called for by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the post office and Federal building at Brattleboro.

★**Dredging**—New York, N. Y.—The following are the bids received for dredging in Staten Island Sound, N. Y., and N. J.: P. Sanford Ross, Inc., (a) scow measurement, per cu.yd., 22¼c.; Morris & Cummings Dredging Co., (a) 19c.; (b) place measurement per cu.yd., 22c.; Bowers Southern Dredging Co., (b) 19.3c.; L. T. Gaylord, (b) 18.2c.; Coastwise Dredging Co., (a) 19.8c.; Eugene Breymann, (b) 23c.; R. G. Packard Co., 27⁸/₉c. Noted Nov. 19.

✚**Mechanical Equipment**—Syracuse, N. Y.—The contract for installing conduit and wiring, lighting fixtures, and making repairs to the heating system to the U. S. post office at Syracuse, has been awarded to BURNS BROS., Syracuse, N. Y., at $5467. Noted Oct. 29.

Post Office—Morristown, N. J.—Bids were received as follows by Oscar Wenderoth, Superv. Archt., Treasury Dept., Washington, D. C., for the construction of a post-office at Morristown: Wilbert R. Titus, Philadelphia, Penn., $92,900; Keeps Dry Construction Co., New York, $98,000; Altoria Realty & Construction Co., New York, $99,431; Charles McCaul Co., Philadelphia, $99,790; Henry L. Brown, Philadelphia, $102,700; George B. Wills, New York, $103,709; Oscawana Building Co., New York, $103,970; Limouse Bros., Weehawken, N. J., $105,650; John Lowry, Jr., New York, $107,345; William H. Fissell & Co., New York, $108,500; Westchester Engineering Co., New York, $109,540; Simon Rossek, Inc., New York, $109,633; Charles Gilpin, Philadelphia, $109,838; William H. Egan, New York, $110,749; J. G. Galardi & Co., New York, $111,456; Kelly & Kelly, Inc., New York, $111,500; Andrew J. Robinson, New York, $111,744; William Werner, New York, $114,678; R. C. Ballinger & Co., Philadelphia, $117,800; De Rise Bros., Inc., Weehawken, N. J., $118,125; T. A. Clarke Co., New York, $118,700; J. W. Hathor & Sons, Trenton, N. J., $122,800; Sturgis Bros., Morristown, N. J., $122,100; J. S. Rogers, Moorestown, $122,300; Egan & Montague, Jersey City, N. J., $124,940. Noted Oct. 22.

★**Dredging**—Philadelphia, Penn.—Bids will be received by Col. George A. Zinn, 815 Witherspoon Bldg., Philadelphia, until noon, Jan. 7, 1915, for dredging in Delaware River below Philadelphia.

Coal Handling Apparatus—Philadelphia, Penn.—The following bids were received for installing coal handling apparatus in the U. S. mint: F. L. Hoover & Sons, Philadelphia, Penn., $19,741; Specialty Engineering Co., Philadelphia, Penn., $14,640; Arthur G. McKee, Cleveland, Ohio, $12,200; W. W. Lindsay & Co., Philadelphia, Penn., $13,990; Link Belt Co., Philadelphia, Penn., $12,835; Guarantee Construction Co., New York, N. Y., $16,427; alternate for pneumatic system, $12,300.

Repair Shops—Washington, D. C.—Bids will be received by the Commissioners of the District, until 2 p.m., Dec. 16, for constructing repair shops, for the water department, on Bryant St. Oliver P. Newman, District Bldg., is one of the Comrs.

✚**Motor Trucks**—Washington, D. C.—The contract for furnishing two motor trucks for the U. S. Army has been awarded to the DUPLEX POWER CO., Charlotte, Mich. Noted Nov. 5.

Grading—Arlington, Va.—Bids will be received by J. B. Houston, Depot Quartermaster, U. S. Army, Washington, D. C., until 11 a.m., Dec. 15, for leveling, paving and grading around the site of the Maine Memorial, Arlington National Cemetery, Virginia.

Post Office—Kinston, N. C.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 11, for constructing a one-story and basement stone post office.

Road—Aiken, S. C.—Bids will be received by the Commissioners of Aiken County, U. S. Highway Engineer Office, F. & M. Bank Bldg., until 10 a.m., Dec. 18, for constructing a portion of the South Carolina Post Road in Aiken County. The work involves about 18,500 cu.yd. of excavation and 24,000 cu.yds. of sand clay surfacing.

Repairing Vessel—Charleston, S. C.—Bids will be received by the Lighthouse Inspector, Charleston, until 2 p.m., Dec. 15, for repairing light vessel No. 53.

✚**Dam, Building, Etc.**—Harrisonburg, La.—Bids will be received by Maj. J. R. Slattery, U. S. Engineer Office, Vicksburg, until noon Feb. 5, 1915, for building Dam No. 2, a lockmaster's dwelling, etc., on Ouachita River, at Harrisonburg.

Earthwork—New Orleans, La.—Bids will be received at the U. S. Engineers' office, Custom House, New Orleans, until Dec. 29, for about 202,000 cu.yd. of earthwork in the Lower Tensas District.

Levee Work—Memphis, Tenn.—The following are the bids received for constructing about 800,000 cu.yd. of levee work in the (a) Upper and Lower St. Francis and (b) White River Levee Districts:

Lacy Bros., Arkansas City, Ark., (b) $12,825; R. T. Clark & Co., Natchez, Miss., (a) $79,120, (b) $22,890; W. M. Dodson & Kast, Gerard, Miss., $14,437 (for Upper St. Francis); Dulaney & Sessions, Vicksburg, Miss., (a) $69,632, (b) $21,940; Martin Jennings, Memphis, Tenn., (a) $39,680; M. C. Connors & Co., Chicago, Ill., (a) $44,800; T. G. Wood, Bruin, Ark., (b) $10,305; Bondurant & Callahan, Hickman, Ky., (a) $27,960; Bondurant & Cheshire, Hickman, Ky., (a) $34,160, (b) $20,892; Robert Nicholson & Co., Lake Providence, La., (a) $36,036.

(b) $19,674; C. C. Aderholt, Friars Point, Miss., (a) $61,200, (b) $18,900; Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn., (a) $54,040, (b) $19,830; Denison & Rodgers Bros., Memphis, (a) $72,112, (b) $24,225; S. M. Bush, Memphis, (a) $38,192, (b) $11,007; R. L. Leonard, Memphis, (a) $68,000, (b) $21,150; Bond, McMurray & Co., Beulah, Miss., (a) $81,100, (b) $24,930; Roper Bros., Memphis, (a) $56,000; B. M. Turner & Co., Memphis, (a) $84,164, (b) $23,196; Malachi Tansey, Arkansas City, Ark., (a) $45,500, (b) $22,275; Linnan Bros. & F. T. Constant, Alexandria, La., (a) $72,852, (b) $23,901; C. I. Anderson, Commerce Mo.; W. T. & E. M. Lowrance & Co., Memphis, (a) $69,060, (b) $19,725; H. H. Shackleford Co., Memphis, (b) $11,160; Oglesby & Co., Memphis, (a) $67,400. Noted Nov. 26.

✚Steel Hull—Cincinnati, Ohio—The contract for constructing and delivering the steel hull for the dipper dredge "Carrollton," has been awarded to the AMERICAN BRIDGE CO., Cincinnati, at $8888. Noted Oct. 1 and Oct. 29.

Life Saving Station—Mackinac Island, Mich.—The following bids were received for constructing a life saving station and launchway on Mackinac Island: R. J. B. Newcombe, Manistee, Mich., $22,225; August Tiedemann, Ludington, Mich., $21,834; The Price Bros. Co., East Jordan, Mich., $19,500; Jacob C. Jensen, Racine, Wis., $19,300; Richard Collins, Alpena, Mich., $21,757; Sheboygan Mfg. Co., Sheboygan, Wis., $19,834; C. R. Jensen Co., Muskegon, Mich., $20,700. Noted Nov. 12.

Post Office—Robinson, Ill.—Bids were received as follows by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, for the construction of a post office at Robinson: (a) Limestone; (b) sandstone: A. W. Lane Co., Chicago, Ill., (a) $41,280; George W. Stiles Construction Co., (a) $42,898; James Devault & Co., Canton, Ohio, (a) $44,945; (b) $45,745; R. S. Moore, Lafayette, Ind., (a) $44,949; (b) $46,350; W. L. Holladay, Greensboro, N. C., (a) $45,582; (b) $46,582; Mayben & Fruechtel, Gadsden, Ala., (a) $45,879; (b) $47,232; Hiram Lloyd Building & Construction Co., St. Louis, Mo., (a) $45,934; Volney E. Taylor, Huntington, W. Va., (a) $47,875; (b) $49,500; Thomas W. Cissel, Wooster, Ohio, (a) $49,214; (b) $51,000; Wharton Building & Supply Co., St. Louis, Mo., (a) $53,970. Noted Nov. 5.

Metal Flumes—Powell, Wyo.—Bids will be received by the U. S. Reclamation Service, Powell, until 2 p.m., Dec. 10, for furnishing about 1214 lin.ft. of metal flumes of various diameters, from 2 ft. 6½ in. to 5 ft. 8¾ in. H. N. Savage is Superv. Engr.

Post Office—Bozeman, Mont.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 2, for constructing a two-story and basement stone and brick post office.

Cement—Denver, Colo.—Bids will be received at the office, U. S. Reclamation Service, Commonwealth Bldg., Denver, until 10 a.m., Dec. 18, for furnishing 140,000 bbl. of portland cement, f.o.b. cars at the works of bidder.

★Steel Rolling Crest—Grand Valley, Colo.—The following bids were received for furnishing one steel rolling crest for the Grand River Diversion Dam, Grand Valley Project, expressed in cents per lb. at the points named: Riter-Conley Mfg. Co., 2.55c., at Leetsdale, Penn.; Penn Bridge Co., Beaver Falls, Penn., 2.94c., at Beaver Falls; Steacy Schmidt Mfg. Co., York, Penn., 3.20c., at York; American Bridge Co., Baltimore, Md., 3.20c., at Ambridge, Penn.; Independent Bridge Co., Pittsburgh, 3.46c., at Pittsburgh; St. Paul Foundry Co., St. Paul, Minn., 3.55c., at St. Paul; Minneapolis Steel & Machinery Co., Minneapolis, Minn., 3.72c., at Minneapolis; Milwaukee Bridge Co., Milwaukee, Wis., 3.72c., at Milwaukee; Chicago Bridge & Iron Works, Chicago, Ill., 3.75c., at Chicago; Allis-Chalmers Mfg. Co., Milwaukee, Wis., 3.80c., at Milwaukee; Reumeli-Dawley Mfg. Co., St. Louis, Mo., 3.9c., at St. Louis; Pittsburgh-Des Moines Steel Co., Pittsburgh, Penn., 3.97c., at Pittsburgh; Kansas City Structural Steel Co., Kansas City, Mo., 4c., at Kansas City, Kan.; The McMyler Interstate Co., Bedford, Ohio, 4.76c., at Bedford; Treadwell Construction Co., Midland, Penn., 5.375c., at Midland; Whitehead & Kales Iron Works, Detroit, Mich., 5.80c., at Detroit; William Cramp & Sons, Philadelphia, Penn., 8.55c., at Philadelphia. Noted Oct. 22.

Power House—Seattle, Wash.—Bebb & Gould, Archs., Denny Bldg., have completed plans for a two-story reinforced-concrete power house to be built at the Narrows, Lake Washington Canal. Maj. J. B. Cavanaugh, Burke Bldg., Seattle, is in charge.

Miscellaneous—Panama—Bids will be received by Maj. F. C. Boggs, Gen. Pur. Officer of the Panama Canal, until Dec. 23, for furnishing cranes, car journal braces and crude carbolic acid.

MISCELLANEOUS

✚Motor Fire Apparatus—Boston, Mass.—(Official)—John Grady, Fire Comr., has awarded the contract for furnishing the department with three two-wheel tractors for water towers to the AMERICAN & BRITISH MFG. CO., Providence, R. I., at $16,613. Noted Dec. 3.

Elimination of Grade Crossing—Winchester, Mass.—The Grade Crossing Commissioners, appointed by the Superior Court, have made a report recommending the elimination of the grade crossing over the Boston & Maine R.R. tracks at the main depot. Arthur B. Corthell, North Station, Boston, is Ch. Engr., Boston & Maine R.R.

Dredging—Newport, R. I.—The lowest bid received for the removal of 14,371 cu.yd. of earth and rock from Newport Harbor was that of the Coastwise Dredging Co., Norfolk, Va., at $3.89 per cu.yd.

✚Quay Wall—Pawtucket, R. I.—(Official)—The following bids were received by the State Harbor Improvement Commission, Providence, for the construction of a quay wall: JOHN CASHMAN & SONS, Boston, $85,425 (awarded contract); Ray H. Beattie, Inc., Fall River, $87,421; H. P. Converse, Boston, $90,362; T. A. Scott Co., Inc., New London, $123,745. William D. Bullock is Ch. Engr. Noted Oct. 22, Nov. 12, Nov. 19.

★Steel Furniture and Rugs—Albany, N. Y.—(Official)—Bids will be received until 2 p.m., Dec. 29, by the Trustees of Public Buildings, Capitol, Albany, for furnishing standard and steel furniture, also rugs, for the State Tax Commission. For details, see advertisement under "Contracts to Be Let."

Retaining Wall—Buffalo, N. Y.—Plans have been prepared, and a bond issue of $50,000 passed, for the construction of a retaining wall along the inner line of Black Rock Harbor, at Ferry St.

Motor Fire Apparatus—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 10:30 a.m., Dec. 14, by Robert Adamson, Fire Comr., Municipal Bldg., for furnishing and delivering 20 motor-driven hose wagons.

Motor Tractors—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Dec. 14, by Marcus M. Marks, Borough Pres., for furnishing and delivering six motor tractors. Blank forms and specifications may be had at the office of the Commissioner of Public Works, Bureau of Highways, Room 2124, Municipal Bldg.

Broken Stone—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, Dec. 17, by R. A. C. Smith, Comr. Docks, for furnishing and delivering 1½-in. broken stone. For further information apply to the office of the department, Pier A, Battery Pl.

✚Pier Extension—New York, N. Y.—(Borough of Manhattan)—(Official)—The Commissioner of Docks has awarded the contract for extending Pier 43, to the GENERAL CONTRACTING & ENGINEERING CO., 29 Broadway, New York, at $21,000. Noted Nov. 19, Dec. 3.

Comfort Station—Syracuse, N. Y.—James A. Randall, Arch., has prepared plans for the construction of a public comfort station in Veteran Park. They will be submitted to the Park Commission in the near future for approval.

Fire Station—Elizabeth, N. J.—The Saybrook Fire Co. No. 1 is having plans prepared for a fire station to be erected at Hollywood and Long Island Ave.

Market—Jersey City, N. J.—The Board of City Commissioners is having plans prepared for a 42x102-ft. corrugated iron market building, to be erected at Railroad Ave. and Barrow St. John T. Rowland is the Arch.

Bathhouse—Newark, N. J.—The city has rejected all bids for the construction of the East Side bathhouse. Specifications will be revised and bids again called for. Appropriation available, $91,000.

Market—Newark, N. J.—The Common Council soon will receive bids for the erection of buildings for the Center Market. The contract for this work, recently awarded to the Essex Construction Co., has been voided by the State Supreme Court.

Stadium—Philadelphia, Penn.—Plans for the construction of a stadium seating 100,000 people are being considered by a committee of business men together with officials of the University of Pennsylvania. The object is to build a stadium with adequate accommodations for the Army-Navy game. The estimated cost is about $500,000.

Elimination of Grade Crossings—Pittsburgh, Penn.—The Grade Crossing Committee, composed of B. E. Briggs, City Engr., Mayor Stern and Director Eichorn, has approved the estimate of the City Engineer for the city's share in the construction of subways at Parade, Peach, Sassafras and Cherry St. The entire cost will be $326,000, of which the city will pay $106,500 and the railroads the remainder.

Breakwater and Boat Houses—Baltimore, Md.—The city has appropriated $50,000 for the construction of a breakwater and boat houses at Fort McHenry Park. James H. Preston is Mayor. Noted Nov. 26.

Levee—Augusta, Ga.—The River and Canal Commission has instructed Nisbit Winfield, City Engr., to prepare plans for a levee to be constructed between East boundary and Charleston & West Carolina Ry.

Harbor Improvements and Municipal Docks—Miami, Fla.—The City Council has accepted the plans of Isham Randolph, Engr., Chicago, Ill., for a 1000-ft. dock, including railroad trackage. The estimated cost is $385,000. J. W. Watson is Mayor. Noted Sept. 24.

✚Seawall—Safety Harbor, Fla. (Espiritu Santo Springs post office)—The Espiritu Santo Springs Co. has awarded the contract for the construction of 2500 ft. of seawall to the SOUTHERN CONCRETE & CONSTRUCTION CO., Clearwater, Fla. W. E. Sinclair is Gen. Mgr.

Vault Linings and Metal Furniture—West Palm Beach, Fla.—Bids will be received until Jan. 5, by R. H. Rousseau, Chn., Palm Beach County Commissioners, for furnishing vault linings, vault doors, metal and wood furniture for the new courthouse. George O. Butler is County Clk., West Palm Beach.

Drainage—Memphis, Tenn.—(Official)—Stein & Harbert, Indianola, Miss., and S. W. McClesky, Memphis, Tenn., have been retained by the commissioners as engineers for the Forked River Drainage District, Haywood and Crockett Counties, Tenn.

Pavilion—New Orleans, La.—The Commission Council has decided to erect a steel dome pavilion in the West End. An ordinance authorizing the retaining of a structural engineer has been passed.

Drainage—Humboldt, Tenn.—Oldfield & Brady, Engrs., Cairo, Ill., have completed preliminary work for a drainage system.

Elimination of Grade Crossing—Columbus, Ohio—(Official)—Plans were approved on Dec. 4 for the elimination of grade crossings on the line of the Norfolk & Western Ry. in the City of Columbus. The work calls for 700,000 cu.yd. of embankment and the erection of elevated structure over 10 streets. The estimated cost is $1,000,000. The city will pay 35% of the cost of double-track work. Grade crossings on the lines of the Baltimore & Southwestern, Hocking Valley, Toledo & Ohio Central and Little Miami Division have been eliminated at a cost of $1,600,000. J. E. Crawford is Ch. Engr., Norfolk & Western Ry. Henry Maetzel is City Engr.

Levee Work—Honey Creek, Ind.—An issue of Honey Creek levee bonds was recently sold for $17,000. This amount will be used to reconstruct levees for flood protection.

Dredging—Indianapolis, Ind.—The lowest bid received by the Board of Public Works for the removal of encroachments along the east bank of White River was that of Bernard Norton, at $11,126.

Drain—Coldwater, Mich.—Bids will be received until Dec. 15, by Eli Tift, County Drain Comr., Branch County, for the construction of a drain to be known as the Little Swan Creek

Drain, in the townships of Matteson, Branch County, and Colon, St. Joseph County. Plans on file in the office of the Commissioner.

Dock Reconstruction—Escanaba, Mich.—According to press reports, plans are now being prepared by the Chicago & Northwestern Ry. for general reconstruction of its docks in this city.

Beach and Bathhouse—Chicago, Ill.—Charles W. Kalla, City Arch., has completed plans and bids will be received shortly for the construction of the Clarendon Ave. public bathing beach and bathhouses. The estimated cost is $150,000.

✚**Ditch**—Forest City, Iowa—The contract for the construction of drainage ditch No. 15 has been awarded to ARTHUR McHASE, Boone, Iowa, at $16,800. C. K. Nelson is County Audr.

Ditch—Stillwater, Minn.—Bids will be received until Dec. 19, by N. A. Nelson, County Audr., for the construction of judicial ditch No. 4. Estimated cost, $17,747. H. R. Ridge, Anoka, is Engr.

Drainage—Jarbalo, Kan.—Property owners along the course of Stranger Creek plan to form a drainage district to undertake flood protection work.

✚**Cutoffs**—Muscotah, Kan.—Drainage District No. 1 has awarded the contract for excavating 640,000 cu.yd. of earth for the construction of cutoffs in the Delaware River, Straight Creek and Elk Creek, to WOOD, BANCROFT & DOTY, Omaha, Neb., at $63,504. H. B. Walker, Manhattan, Kan., is Engr.

Drainage—Omaha, Neb.—(Official)—A communication from the Towl Engineering Co., Omaha, states that the proposed bond issue of $300,000 for drainage work in Washington and Burt Counties was defeated at the recent election. Noted Dec. 3.

★**Drainage**—Talmage, Neb.—(Official)—Bids will be received until 10 a.m., Jan. 11, by James Meek, Secy., Drainage District No. 1, Otoe and Johnson Counties, for the construction of new channels for the Little Nemaha, Spring Creek, south branch of the Little Nemaha, Wilson Creek, Walnut Creek, Muddy Creek and laterals A to H, inclusive. The estimated yardage is 1,650,000 cu.yd.; also about 6750 squares of clearing river channel and 1200 cu.yd. of levee work. Plans and specifications for this work are on file at the office of Clyde W. Drew Co., 926 City National Bank Bldg., Omaha, Neb. For details see advertisement under "Contracts to Be Let." Noted Dec. 3.

Ditch and Flume—Missoula, Mont.—(Official)—A communication from S. H. Ketcham, Engr., 220 Higgins Ave., states that the construction of three miles of ditch and 1200 ft. of flume near Iron Mountain has been postponed because of inability to secure the right-of-way. Noted Oct. 22.

✚**Comfort Station**—Dallas, Tex.—The City Park Board and the Board of City Commissioners have awarded the contract for constructing comfort stations at Elm St. and Ervay St. to the TRINITY CONSTRUCTION CO., at $11,695.

✚**Drainage**—Houston, Tex.—Harris County Drainage District No. 7, C. L. Anderson, Chn., has awarded the contract for the construction of 44 miles of drainage canals to the J. B. ARPIN DREDGING CO., Binz Bldg., Houston, at about $140,000. J. C. Burk is the Engr. Noted Nov. 5.

Drainage System—Seadrift, Tex.—The taxpayers of this district have voted favorably on the proposed bond issue of $60,000 for the construction of a drainage system.

Levee Work—Waxahachie, Tex.—Bids will be received until Dec. 15, by the Commissioner of Ellis County Drainage District No. 1, for the construction of new levees and repairing old one. Work consists of deepening canals, draining ditches and the removal of 160,000 cu.yd. of earth. Address bids to J. H. Smith, Italy, Tex., Route 2, or T. H. Harbin, Waxahachie.

Drain—North Yakima, Wash.—Drainage District No. 2, in the near future, plans to deepen the existing drains and construct new ones in a district of 7800 acres. The estimated cost of the project is $118,000.

Train Sheds—Tacoma, Wash.—The Northern Pacific Ry. Co., local office, will soon receive bids for the erection of two umbrella train sheds. The estimated cost is $10,000.

Oil Fire Protection Equipment—Waits, Wash.—The Standard Oil Co., San Francisco, plans to install a foam-making plant for fire protection at Waits. The estimated cost is $30,000. H. M. Storey, Standard Oil Bldg., San Francisco, is Secy.

✚**Flume**—Los Angeles, Calif.—The contract for the construction of a timber flume across New River has been awarded to the MERCEREAU BRIDGE & CONSTRUCTION CO., Los Angeles, at $34,000.

Pier—San Francisco, Calif.—The State Harbor Commissioners have had plans prepared for the construction of pier 24, at the foot of Harrison St.

Cranes—Quebec, Que.—The Secretary to the Commissioner, Transcontinental Ry., Ottawa, Ont., will receive bids until Jan. 4, for furnishing and erecting traveling cranes in the locomotive and car shops at Quebec. W. J. Press is Mech. Engr.

Crushed Stone and Screenings—Hamilton, Ont.—Bids will be received until Dec. 21, for furnishing the corporation of the City of Hamilton with crushed stone and screenings for periods of one, five and ten years. Plans and specifications on file at the office of the City Engineer, City Hall, Hamilton.

✚**Ore Docks**—Port Arthur, Ont.—The Canadian Northern Ry. system has awarded the contract for the construction of additional coal and ore docks at Port Arthur to the BARNETT & McQUEEN CO., at about $600,000.

Market—New Westminster, B. C.—The City Council has purchased a seven-acre site where it plans to construct a market. This and the extension of the present wharf are estimated to cost $40,000.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works"; "Federal Government Work" and "Miscellaneous."

Brattleboro, Vt.—Wantastiquet Lodge of Odd Fellows is having plans prepared for a three-story, 53x100-ft. lodge building.

Boston, Mass.—Thomas W. Lamb, Arch., 501 Fifth Ave., New York, is preparing plans for the theater to be erected on Massachusetts Ave., for the Colonial Amusement Co., Old South Bldg. The estimated cost is $150,000.

Salem, Mass.—A. Rosenstein, Arch., 218 Essex St., is preparing plans for a four-story, 55x105-ft. store and loft building on Washington St., for Nathan Shribman. The estimated cost is $40,000.

Springfield, Mass.—Plans are being prepared by Gardner & Gardner, Archs., for the construction of the dormitory for the Y. M. C. A. The estimated cost is $150,000.

✚**Waltham, Mass.**—The contract for the construction of the public library at Waltham has been awarded to HORTON & HEMENWAY, 683 Atlantic Ave. Noted Oct. 8.

Worcester, Mass.—Bids will be received for the construction of a gymnasium for the Polytechnic Institute. Hewitt & Brown, South Minneapolis, Minn., are the Archs. Noted Sept. 17.

✚**Providence, R. I.**—The contract for the construction of the wing of the Park Museum has been awarded to the O. D. PURRINGTON CO., at $37,600.

✚**New Haven, Conn.**—The masonry contract for the three-story addition to the Crittenden Home for Children has been awarded to the SPERRY & TRIEST CO.; carpentry, the WILLIAM RITCHIE CO. C. F. Townsend, 129 Church St., New Haven, is the Arch.

✚**Long Beach, N. Y.**—The general contract for the construction of the clubhouse for the Lido Corporation has been awarded to the GEORGE A. FULLER CO., 111 Broadway, New York, N. Y. Noted Aug. 27.

New Hartford, N. Y.—Plans are being prepared by the Thomas P. Barnett Architectural Co., 924 Central National Bldg., St. Louis, Mo., for a three-story brick and stone hospital for St. Elizabeth Hospital. The estimated cost is $350,000.

New York, N. Y.—(Borough of Bronx)—Bids are being received by John J. Van Pelt, Arch., 381 Fourth Ave., for the four-story school at Marion Ave. and Fordham Road, for the Church of Our Lady of Mercy. The estimated cost is $100,000.

(Borough of Brooklyn)—Frank Helmle, Arch., 190 Montague St., is preparing plans for a nurses' home on Sixth St., for the Methodist Episcopal Hospital. The estimated cost is $100,000.

(Official)—The lowest bid received by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., for additions and alterations to Public School 18, at Maujer and Leonard St., was submitted by Frymier & Hanna, at $102,271. Noted Nov. 26.

(Borough of Manhattan)—Plans are being prepared by T. Joseph Bartley, Arch., 15 Broad St., for the construction of a building at Fifth Ave. and 40th St., for Arnold Constable Co.

Plans have been completed by Louis Sheinert, Arch., 194 Bowery, for the construction of the nine-story loft building at 234 West 25th St. The estimated cost is $140,000.

(Borough of Manhattan)—Plans have been completed by Thomas W. Lamb, Arch., 501 Fifth Ave., for the construction of a 20-story theatre, store and office building at Broadway and 48th St. The estimated cost is $350,000.

The 137 East 72d St. Corporation, care of Van Wyck Thorne, 150 Broadway, contemplates the erection of an apartment hotel at 72d St. and Lexington Ave.

✚(Offical)—Bids were received Dec. 4, by the Board of Trustees, Bellevue Hospital, for making the alterations to the power house and ambulance station at the Harlem Hospital, as follows: William Werner, $44,887; Neptune B. Smyth, $55,894; Marble Arch Co., $56,900; William H. Egan, $54,682; Lincoln Steel Fleming Co., $49,840; Louis Wechsler, $48,944; Tower Mfg. Co., $39,577. Noted Nov. 26.

(Official)—Bids were received Dec. 4, by the Board of Trustees, Bellevue Hospital, for alterations to the main building of the Harlem Hospital, as follows: M. D. Lundin, $16,494; Andrews Bldg. Co., $27,249; J. M. Knopp, $28,378; William H. Egan, $34,830; Marble Arch Co., $38,408; A. W. King, $33,820; Lincoln Steel Fleming Co., $14,871; Wells & Newton, $36,339. Noted Nov. 26.

Niagara Falls, N. Y.—The taxpayers of Niagara Falls will be asked to vote, on Dec. 15, for the proposed city hall, to cost $296,412.

✚**Yonkers, N. Y.**—The general contract for the construction of the Y. M. C. A. building at Riverdale Ave. and Hudson St. has been awarded to GEORGE T. KELLEY, 20 John St., Yonkers. Noted Nov. 26.

Jersey City, N. J.—The United States Theatre Co., Hoboken, will erect a theatre at Bergen Square. Frank G. Hall is Pres.

The Westminster Presbyterian Church plans to construct an addition to its edifice at Magnolia and Summit Aves.

✚**Passaic, N. J.**—The general contract for the construction of the three-story school on Watson Ave. has been awarded to the SCHAEFER CONSTRUCTION CO., 5 West 31st St., New York; heating and ventilating, BEAVER ENGINEERING CO., 59 Mechanic St., Newark, N. J.

Athens, Penn.—Pierce & Bickford, Archs., Elmira, N. Y., have prepared plans for the construction of a school at Athens. The estimated cost is $50,000.

Kennett Square, Penn.—Plans are being prepared by Clyde Adams, Arch., 1223 Arch St., Philadelphia, Penn., for the construction of the school at Kennett Square. The estimated cost is $60,000.

Cumberland, Md.—The Local Lodge of Knights of Pythias will erect a building, to cost $50,000.

Richmond, Va.—Bids will be received until Dec. 14, by C. P. Walford, Clk., Richmond Public Schools, for the school at Bainbridge St. and Cowardin Ave.

Charleston, W. Va.—The lowest bid received by the Board of Education for the high school at Charleston, was submitted by the Cullen & Vaughn Co., Hamilton, Ohio, at $118,328. Noted Oct. 1.

Spartanburg, S. C.—Bids are being received by F. W. Barnett, 7 East 44th St., New York, for the construction of a building for the First National Bank. The estimated cost is $40,000. Noted July 30.

Deland, Fla.—Bids will be received until Dec. 15, by L. J. Cambron, for a hotel to be erected at Deland. The estimated cost is $40,000.

West Palm Beach, Fla.—Bids will be received until Jan. 5, by the Palm Beach County Comrs., for the courthouse to be erected at West Palm Beach. The estimated cost is $180,000. Noted Nov. 19.

Baton Rouge, La.—Bids will be received until Dec. 16, by Favrot & Livaudis, Archs., 305 Barrone St., New Orleans, for the three-story building at the Louisiana State University.

Nashville, Tenn.—Edward Dougherty, Arch., Candler Bldg., Atlanta, Ga., has prepared plans for the construction of a clubhouse at Belle Meade, for the Nashville Golf & Country Club. The estimated cost is $50,000.

Cincinnati, Ohio—Bids will be received until Feb. 16, 1915, by James A. Green, Chn. of Court House Comn., for the construction of the $2,500,000 court house and jail. Noted July 23, Sept. 3 and Dec. 3.

Cleveland, Ohio—Plans have been prepared by Nicola Petti, Arch., Williamson Bldg., for the construction of a theater and commercial building at Euclid and Lake Front Ave. for Jacob Babin. The estimated cost is $80,000. Noted Nov. 5.

Columbus, Ohio—Plans are being prepared by the City Engineering Department for the construction of a market house exposition hall for the City of Columbus. Estimated cost, $750,000. George J. Karb is Mayor.

Portsmouth, Ohio—Bids will be received until Dec. 18, by the Board of Education for the construction of the two-story and basement Garfield School. Estimated cost, $70,000. W. A. De Voss, 37 First National Bank Bldg., is Arch.

Ripley, Ohio—The Board of Education plans the construction of a ten-room school having an auditorium with a seating capacity of 600. Weber, Werner & Adkins, Cincinnati, are Archs.

Sidney, Ohio—The First National Exchange Bank plans the construction of a $40,000 one-story bank. The work will begin in the spring.

Detroit, Mich.—Plans are being prepared by Smith, Hinchman & Grylls, Archs., 710 Washington Arcade Bldg., for the construction of a one-story central market. Estimated cost, $50,000.

Highland Park, Mich.—Plans are being prepared by the School Board for the construction of a $75,000 school, at Oakland and Massachusetts Ave.

Jackson, Mich.—Nathan F. Simpson, Warden of Jackson Prison will petition the next legislature to appropriate $160,000 of which $80,000 will be expended for the construction of a cell house.

✚Dixon, Ill.—The general contract for the construction of an administration building and dormitories at the epileptic colony, Dixon, for the State Board of Administration, has been awarded to W. M. ALLEN CO., Peoria, at $217,200.

The County Commissioners contemplate the construction of an almshouse estimated to cost $60,000. Morris Cook, Steward, Ill., is Chn. of Bldg. Com.

Bancroft, Iowa—The St. John's Catholic Church plans the construction of a $60,000 building, early in the spring.

✚Fort Dodge, Iowa—The contract for the construction of the city hall has been awarded to J. B. EVANS, Mexico, Mo. Estimated cost, $80,000. Noted Nov. 12.

Iowa City, Iowa—The State Board of Education will petition the next legislature to appropriate $200,000 for a botany and geology building at the Iowa University; $100,000 for a Hall of Dentistry and $20,000 for a Detention Hospital.

Minneapolis, Minn.—Frank Nelson, Pres. of Minnesota College, plans the construction of a $60,000 college building and a $40,000 auditorium.

Kansas City, Kan.—Plans have been prepared by Rose & Peterson, Archs., Barker Bldg., for the construction of a two-story and basement addition to the Whittier School. The estimated cost is $80,000.

Grand Forks, N. D.—Bids will be received about Jan. 4, 1915, for the construction of a $40,000 church on Belmont Ave., for the St. Marys Parish.

Missoula, Mont.—Plans are being prepared by George Nelson, Arch., Butte, for the construction of a theater for the Montana Amusement Co. T. McDonald is local manager.

St. Joseph, Mo.—Bids will be received until, Dec. 20, for the construction of a five-story reinforced concrete hospital. Estimated cost, $150,000. Joseph Meir, Lincoln Bldg., is Arch.

St. Louis, Mo.—The Francis-Wyland Construction Co., Liggett Bldg., has purchased a site at Limit and Von Versen Ave., for the construction of an apartment house. Estimated cost, $125,000.

The Council of the St. Louis has introduced a bill appropriating $75,000 for the construction of a three-story detention house at 1226 Clark Ave.

El Paso, Tex.—Bids will be received until Dec. 21, by the Secretary of the Board of School Trustees for the construction of a $500,000 high school. Noted Sept. 17.

Salt Lake City, Utah.—The lowest bidder for the construction of the school at Tenth St. S., and Fifteenth St. E. was Alston & Hoggan at $85,104. Noted Nov. 5.

Okanogan, Wash.—Plans have been prepared by George H. Keith, Arch., for the construction of a three-story, reinforced concrete county courthouse and jail. Estimated cost, $50,000.

Olympia, Wash.—The Regents of the University of Washington will petition the next legislature to appropriate $300,000 for additional buildings at the university.

North Bend, Ore.—Bids will be received about Jan. 15, 1915, for the construction of an apartment house for Peter Loggie. Estimated cost, $60,000. Tourtellotte & Atkins, Portland, are Archs.

RAPID TRANSIT SYSTEM, NEW YORK, N. Y.

Section 9-C-1, Route 9

Reconstruction of Fourth Ave. Subway—Bids were received, Dec. 1, by the Public Service Commission for the construction of additional crossovers in Section No. 9-C-1 of Route No. 9, a part of the Fourth Ave. Subway in Brooklyn, from (A) Samuel Beskin, Beacon, N. Y.; (B) Ward & Tully, Inc., (C) Frawley-Kaufman Contracting Co., 51 Chambers St., New York, N. Y.; (D) T. F. Shaughnessy, Albany, N. Y.; (E) Thomas Crimmins Contracting Co., 444 East 69th St., New York; (F) Snare & Triest Co., Woolworth Bldg., New York; (G) Norton & Gorman Contracting Co.; (H) J. F. Cogan Co., Woolworth Bldg., New York; (I) Degnon Construction Co., 30 East 42d St., New York. The item bids were as follows:

	A	B	C	D	E	F	G	H	I
11,500 cu.yd. earth excavation above mean high water	$4.00	$4.00	$5.00	$4.60	$4.50	$5.60	$5.50	$6.00	$5.00
250 cu.yd. earth excavation below mean high water	5.00	4.00	5.00	6.00	5.00	7.00	6.50	6.00	9.00
1750 cu.yd. concrete masonry	8.00	9.00	10.00	10.00	15.00	11.00	12.00	10.00	12.00
220 cu.yd. concrete masonry outside water proofing	7.50	10.00	8.00	10.00	12.00	11.00	12.00	10.00	12.00
10 cu.yd. brick masonry	15.00	25.00	30.00	15.00	20.00	18.00	20.00	15.00	20.00
1300 cu.yd. removal of present masonry	13.00	10.00	15.00	15.00	10.00	15.00	15.00	15.00	25.00
Lump sum removal and restor. present masonry around T-beam	300.00	2000.00	500.00	100.00	1500.00	800.00	1000.00	1000.00	1000.00
10 cu.yd. hollow terra cotta or tile masonry	15.00	15.00	30.00	15.00	30.00	18.00	20.00	15.00	20.00
100 bbl. portland cement grout	2.50	2.00	3.00	3.00	3.00	4.00	3.50	3.00	2.00
100 sq.yd. resurfacing concrete masonry	0.50	1.00	1.00	2.50	0.50	1.50	0.50	1.00	1.00
250 cu.yd. broken stone and gravel	1.75	2.00	3.00	2.50	2.50	2.50	2.50	2.50	3.00
50 sq.yd. waterproofing, 1-ply	0.45	0.60	0.80	0.60	0.50	0.70	0.50	0.60	0.80
50 sq.yd. waterproofing, 2-ply	0.70	1.00	0.90	0.90	0.75	1.00	1.00	1.00	1.30
50 sq.yd. waterproofing, 3-ply	0.90	1.10	1.00	1.20	1.10	1.20	1.50	1.40	1.80
50 sq.yd. waterproofing, 4-ply	1.20	1.50	1.10	1.50	1.50	1.40	2.00	1.75	2.30
50 sq.yd. waterproofing, 5-ply	1.40	1.75	1.50	1.75	1.80	1.80	2.50	2.10	2.80
1000 sq.yd. waterproofing, 6-ply	1.60	2.00	2.00	2.00	2.25	2.00	3.00	2.50	3.00
50 sq.yd. waterproofing, dry ply	0.35	0.40	0.50	0.60	0.75	0.70	0.50	0.50	0.40
40 cu.yd. brick in asphalt mastic	27.00	25.00	30.00	30.00	27.50	30.00	35.00	35.00	30.00
33,100 duct ft. tunnel ducts	0.10	0.15	0.20	0.15	0.12	0.12	0.20	0.20	0.15
1400 duct ft. railroad ducts	0.50	0.15	0.20	0.25	0.15	0.25	0.20	0.20	0.20
150 cu.yd. removal of tunnel ducts	4.00	3.00	3.00	10.00	8.00	5.00	6.00	8.00	25.00
350 tons steel—riveted	68.00	75.00	70.00	100.00	90.00	74.00	98.00	100.00	90.00
50 tons removal of steel	20.00	50.00	1.00	20.00	12.00	20.00	20.00	50.00	25.00
34 each removal and resetting struts	50.00	8.00	3.00	30.00	80.00	30.00	20.00	100.00	25.00
2 each removal and resetting columns	10.00	100.00	100.00	50.00	45.00	50.00	45.00	500.00	50.00
70 tons steel—beams	58.00	75.00	60.00	60.00	90.00	70.00	76.50	90.00	90.00
5500 holes drilling in steel	0.25	0.50	0.30	0.40	0.75	0.40	0.60	0.25	0.50
6 tons steel rods and bars	35.00	70.00	50.00	65.00	60.00	70.00	62.50	80.00	80.00
1 ton miscellaneous castings	50.00	100.00	40.00	60.00	60.00	80.00	75.00	75.00	80.00
1000 lb. wire forms	0.10	0.10	0.10	0.10	0.15	0.12	0.10	0.30	0.10
320 sq.yd. street surface restored (sidewalk)	1.50	3.00	3.00	2.50	1.80	2.00	3.00	2.00	2.00
30 sq.yd. asphalt pavement restored	3.00	3.00	3.00	2.50	3.50	4.00	2.50	4.00	2.50
1300 sq.yd. granite block pavement restored	3.50	2.50	2.00	2.00	4.71	3.00	3.50	3.00	2.50
280 lin.ft. support electric railroad (trolley)	5.00	7.00	10.00	4.00	10.00	8.00	0.25	10.00	5.00
Underpinning present subway in Flat. Ave. Ext. (lump sum)	2500.00	5000.00	2000.00	100.00	500.00	9000.00	9760.00	5000.00	8500.00
600 lin.ft. 6" w.i. by-passing pipes	3.00	3.00	3.00	1.00	4.00	2.50	2.00	3.00	4.00
420 sq.ft. white glazed tile—straight	0.50	0.50	1.00	1.30	0.80	1.00	0.75	1.50	0.60
135 sq.ft. white glazed tile—curved	1.25	0.75	1.50	1.30	1.70	3.00	2.00	1.50	1.00
20 sq.yd. plastering on concrete arch surface	1.00	1.00	2.00	1.50	1.00	3.00	2.10	1.00	0.75
60 sq.yd. plastering on concrete flat surface	1.00	1.00	2.00	1.00	1.00	2.00	1.43	0.60	0.75
60 lin.ft. cement cove	0.16	0.25	0.25	0.40	0.08	0.50	0.25	0.50	0.25
220 sq.ft. cement floor finish	0.20	0.20	0.25	0.15	0.15	0.40	0.25	0.20	0.15
Cement finish on concrete	0.20	0.20	0.25	0.15	0.05	0.20	0.05	0.30	0.10
440 sq.ft. brick and tile	2.50	10.00	10.00	3.00	3.00	5.00	3.50	5.00	5.00
12 each removing windows	2.50	10.00	10.00	2.00	3.00	5.00	5.00	8.00	10.00
11 each resetting windows									
Per cent. additional expense due to railroad operation	10%				10%				
Extended totals	$133,947	$141,762	$153,184	$155,875	$168,118	$172,733	$185,831	$190,325	$192,280

Contracts to Be Let

Bids received until Dec. 22, 1914.

Barge Canal Work

STATE OF NEW YORK,

OFFICE OF SUPERINTENDENT OF PUBLIC WORKS,

Albany, November 25th, 1914.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, December 22nd, 1914, at which place and hour they will be publicly opened and read, for improving the Cayuga and Seneca canal pursuant to the provisions of Chapter 391 of the Laws of 1909, and Chapter 147 of the Laws of 1903 and of the amendments thereto, as follows:

1. CONTRACT C-2.

Cayuga and Seneca Canal—Section 1.

For the removal of buildings, etc., at Seneca Falls, N. Y.

Sheet 1.

And for the construction of Barge Canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and of the acts supplementary thereto, as follows:

2. TERMINAL CONTRACT NO. 13.

For constructing a guard-lock, highway bridge and cut-off dam at Schuylerville.

Contract plans, sheets 1 to 12, inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y.; at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

On the terminal contract monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract), in good credit within the State, and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal, except in the case of Contract C-2, where such deposit must at least amount to $200.00.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person, or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made, will be returned immediately after the award has been made.

In the case of the terminal contract the amount of bond required for faithful performance will be ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract. In the case of Contract C-2 the amount of bond required for faithful performance will be $10,000.00, and a labor bond in the sum of $1,000.00 will be required.

In the event that more than one surety company is offered as surety on said bonds, coinsurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned the interests of the State will be enhanced thereby.

DUNCAN W. PECK,
Superintendent of Public Works.

Bids received until Dec. 29, 1914.

Section 17—Main Sewer

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Paterson, N. J.

Notice is hereby given that the Passaic Valley Sewerage Commissioners have designated Tuesday, the twenty-ninth day of December, nineteen hundred and fourteen, at two o'clock in the afternoon, as the time when they will meet at their usual place of meeting, Essex Building, Clinton Street, Newark, New Jersey, to receive proposals, in writing, for the construction of the CENTRAL PORTION of SECTION 17 of the MAIN INTERCEPTING SEWER, in the City of Paterson, in the County of Passaic, in New Jersey.

Particulars that may enable Contractors to judge of the character of the work are given below:

APPROXIMATE QUANTITIES.

Central Portion of Section 17.

Item 1.—Earth Excavation and Refilling, in trench, for 69-inch concrete sewer.	2,265 linear feet.
Item 2.—Earth Excavation and Refilling, in trench, for 65-inch concrete sewer.	3.307 linear feet.
Item 3.—Earth or Rock Excavation and Refilling, in tunnel, for 69-inch concrete sewer	390 linear feet.
Item 4.—Rock Excavation, in trench	11,000 cubic yards.
Item 5.—Concrete masonry, with Portland cement mortar, in place, in trench.	4,200 cubic yards.
Item 6.—Concrete masonry, with Portland cement mortar, in place, in tunnel.	500 cubic yards.
Item 7.—Brick masonry and appurtenant work, in manholes, with Portland cement mortar	130 cubic yards.
Item 8.—Steel for Concrete Reinforcement, in place	1,000 pounds.
Item 9.—Rip rap, in place	1,000 long tons.

Drawings, form of contract and specifications, and blank form for proposal may be obtained at the Commissioners' office from William M. Brown, Chief Engineer.

The Commissioners reserve the right to reject any or all bids.

PASSAIC VALLEY SEWERAGE COMMISSIONERS.

JOHN S. GIBSON, Clerk.

November 17, 1314.

Bids received until Dec. 14, 1914.

School Bond Issue

Swatara, Pa.

Sealed bids will be received by the Board of School Directors of Swatara Township, Dauphin County, Pennsylvania, for a duly authorized school bond issue of Seventeen thousand ($17,000) dollars. The bonds are payable thirty years from their date, but the School District reserves the right to redeem them at the end of ten years from their date. The rate of interest is 4½%. All bids must be accompanied by a certified check, drawn to the order of R. A. Shultz, School Treasurer, for 2% of the par value of the bonds for which bid is made. Bids will be opened in the High School at Oberlin, December 14, 1914, at 7.30 p.m. Send all proposals to John M. Erb, Secretary, Harrisburg, Pa. The board reserves the right to reject any or all bids.

JOHN M. ERB, Sec'y.